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# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

VOLUME 6

1963



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# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

## VOLUME 6—EXPLANATION OF COVERAGE AND ARRANGEMENT

### 9. ERRATA AND ADDENDA to " EXPLANATION OF COVERAGE AND ARRANGEMENT " (contd.)

#### 1. SCOPE AND COVERAGE OF BIBLIOGRAPHY

*List of periodicals the contents of which are entered completely*

Insert, in alphabetic order, the following:

Indian Fisheries Bulletin

#### 3. REFERENCES

*Names and Abbreviations of Organizations and Projects*

Insert, in alphabetic order, the following:

ACMRR (FAO)	..	Advisory Committee on Marine Resources Research
AZCHERNIRO	..	Азово-Черноморский Научно-исследовательский Институт Морского Рыбного Хозяйства и Океа- нографии—АЗЧЕРНИРО (Azov-Black Sea Scientific Research Institute of Sea Fisheries and Oceanography)
CARPAS	..	Comision Asesora Regional de Pesca para el Atlantico Sud-occidental
CREO	..	Centre de Recherches et d'Études Océanographiques (France)
GBRS	..	Groupe Belge de Recherche Sous-Marine
NFI	..	National Fisheries Institute (U.S.A.)
ORITU	..	Ocean Research Institute, University of Tokyo
RFCWA	..	Regional Fisheries Commission for Western Africa Commission Régionale des Pêches pour l'Afrique de l'Ouest
RRIWB	..	River Research Institute, West Bengal (India)

Insert under IPFC the following Spanish name to follow the French name:

Consejo del Indo-Pacífico para Pesquerías

#### 4. ANNOTATIONS AND TREATMENT OF SPECIAL CASES

##### 4.1 *Treatment of publications not seen by compilers*

*Code for Abstracting Journals*

Insert, in alphabetic order, the following:

Nuclear Science Abstracts .. .. NSA

## 7. MEETINGS: CONGRESSES, CONFERENCES, SYMPOSIA, COURSES, TRAINING CENTRES

Replace the text under Section 7 with the following updated text:

In Volumes 3 to 5 inclusive, information on meetings taking place on or after 1 January 1960 also includes dates and places and an annotation. From Volume 6 on this further information for meetings taking place on or after 1 July 1963 is given in the UNESCO-FAO newsletter—*International Marine Science*. In that periodical there is a Section entitled "Miscellaneous news items" in which, under the subject heading "Meetings, etc.", will be listed forthcoming scientific meetings, congresses, conferences and symposia including all those known to be taking place at any time within 12 months of the issue, as soon as detailed information about them is available.

Annotations of meeting documents and preprints, or of the published proceedings, if preprints or meeting documents had not already been annotated, will each cite the number of the meeting to which they relate, preceded by the symbol "Do" in the case of documents or preprints, and "Pr" in the case of the printed proceedings. Annotations of unofficial reports and commentary on meetings also cite the meeting number, after the citation symbol "No" (see section 5.5). Meeting numbers are included in the Geographic, Taxonomic, Subject and Citation Indexes. Names of sponsors are listed at the end of the Author indexes, in a special section of them.

References to meetings known to be taking place at any time within the 12 months following publication of an issue of *Current Bibliography* are entered, as soon as detailed information about them is available. When information about a particular meeting is incomplete three months or less from the date on which it is believed to be opening, reference to it is nevertheless entered in the next issue.

Training centres and courses are dealt with in the same manner as meetings but in *International Marine Science* they are listed in a Sub-section under "Training facilities".

In Volumes 3 to 5 of the *Current Bibliography*, at the end of each Meetings Section, check lists of meeting numbers were given in order of opening date on pages designated by the symbol "M". These lists were cumulative from (and including) the month of publication of each issue. Also in those volumes amended meeting references were entered under new numbers with cross references to the original entry number.



# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

## VOLUME 6—EDITORIAL NOTE

### INTERNATIONAL BIOTOXICOLOGICAL CENTER (I.B.C.)

A documentation and information Center with the above name has been established by the World Life Research Institute at 22022 Center Street, Reche Canyon, Colton, California, U.S.A. This Institute is particularly concerned with the application of phytochemistry and marine biotoxicology to increase the utilization of natural resources by production of chemicals and pharmaceutical agents of commercial value, especially in the developing countries. Its Director is Dr. Bruce W. Halstead, from whom further information can be obtained.

The objectives of the Center are set out as:

- (a) to maintain a comprehensive library on animal venoms and poisons, and poisonous and medicinal plants;
  - (b) to establish a master list of the above species of animals and plants and a file of specialists in this subject;
  - (c) to provide on a subscription basis, services for such specialists and workers in related fields in the form of bibliographies, educational aids, monographs and charts, a Bulletin of publications and research activities, as a search, literature procurement and microcard loan service;
- and (d) to serve as a documentation clearing house in connection with a proposed International Society for Biotoxicology.

It will be seen that the activities of the new Center are in their restricted subject field quite closely parallel with those of FAO Fisheries Biology Branch Research Programs Section and the Aquatic Sciences Information Retrieval Center at Rhode Island (see *Curr. Bibliogr. aquat. Sci. Fish.*) in covering lists of experts, institutions, species, publications and research activities. The three units will therefore collaborate closely, although it should be understood that the new Center has no formal connection with FAO or other U.N. Agencies.



# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

## VOLUME 6—ERRATA

61-025er to 61-026er

<i>Author:</i>	<b>Scotland. Ministry of Agriculture, Fisheries &amp; Food &amp; Scottish Home Department</b>	<i>should read</i>	61-025er (61-06988)
	<b>U.K. MAFF &amp; Scottish Home Department</b>		
<i>Title:</i>	Canals of the heat	<i>should read</i>	
	Canals of the head		61-026er (61-07152)



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**Callame, B.** (1961) M  
61-06867  
*C.R. Acad. Sci., Paris*, 252 (10) : 1492-4

Sur la diffusion comparée des chlorures et des sulfates entre les eaux interstitielles des sédiments marins et l'eau de mer qui les recouvre (On the comparative diffusion of chloride and sulfates between the interstitial waters of marine sediments and recovering layer of sea water)

Results of experiments of diffusion of chloride and sulfates between the two water masses.

**Bonnenfant, J.** (1961) M  
61-06868  
*C.R. Acad. Sci., Paris*, 252 (10) : 1518-20

La glande androgène de deux isopodes: *Paragnathia formica* et *Meinertia oestroides* (The androgenous glands of two isopods: *Paragnathia formica* and *Meinertia oestroides*)

Comparative study of glands of spp.

**Gayral, P.** (1961) M  
61-06869  
*C.R. Acad. Sci., Paris*, 252 (11) : 1642-4

Sur la reproduction de *Monostroma obscurum* (Kütz.) J. Agardh (On the reproduction of *Monostroma obscurum* (Kütz.) J. Agardh)

A note on the gametophytes on the sp. producers of gametes heterogamous and sporophytes producers of zoospores.

**Martoja, M.** (1961) M  
61-06870  
*C.R. Acad. Sci., Paris*, 252 (11) : 1664-6

Signification fonctionnelle de la glande digestive (hépatopancréas) de *Nassa reticulata* L. (Mollusque prosobranch) (Functional significance of the digestive gland (hepatopancreas) of *Nassa reticulata* L., mollusc prosobranchial)

**Secondat, M., R. Quillier & J.-C. Capmartin** (1961) F  
61-06871  
*C.R. Acad. Sci., Paris*, 252 (11) : 1667-9

Voies d'absorption de l'urée et modifications de l'urémie chez la carpe (*Cyprinus carpio* L.) (Process of absorption of urea and modification of uremia in carp, *Cyprinus carpio* L.)

Description of process.

**Weinstein, F.** (1961) M  
61-06872  
*C.R. Acad. Sci., Paris*, 252 (12) : 1843-4

*Psammostyela delamarei* n.g., n.sp., ascidie interstitielle des sables à *Amphioxus* (*Psammostyela delamarei* n.g., n.sp., interstitial ascidian in *Amphioxus* sands)

Diagnosis of genus and spp. and notes on development of latter.

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**Gostan, G. (1961)**

M  
61-06873

*C.R. Acad. Sci., Paris*, 252 (12) : 1869-70

Les réserves de calcium au cours de la construction de la coquille de *Rissoa parva* (Gastéropode prosobranch) (The calcium reserves on the construction of the shell of *Rissoa parva*, gastropod prosobranch)

A note on accumulation and utilization of calcium reserves.

**Rech-Frollo, M. (1961)**

M  
61-06874

*C.R. Acad. Sci., Paris*, 252 (13) : 1991-2

Les courants de turbidité et la formation du Flysch (Turbidity currents and the Flysch formation)

Interpretation of Flysch formations.

**Bourdon, R. (1961)**

M  
61-06875

*C.R. Acad. Sci., Paris*, 252 (13) : 1999-200

Sur l'existence d'une phase de parasitisme interne chez l'isopode *Ancyroniscus bonnieri* Caullery et Mesnil, de la famille des Cabiropsidae) (On the existence of a phase of internal parasitism in an isopod by *Ancyroniscus bonnieri* Caullery et Mesnil of the family Cabiropsidae)

Study of the anatomy and biology of the parasite of the isopod *Dynamene bidentata*.

**FAO/ETAP (1958)**

F  
61-06876

*Rep. FAO/E.T.A.P.*, (777) : 21 p.

A second report to the Government of Iraq on the development of inland fisheries

Co 1954 FAO/ETAP. Based on the extension of work conducted by A. van den Eelaart, FAO/TA inland fisheries specialist. Report on FAO project carried out under UN Expanded Technical Assistance Programme. Incl. suggestions for reorganization of fisheries development, improvements to Zaafaraniyah fish farm, fish stocking program, studies with respect to wild stocks, and fisheries regulations. Makes recommendations for further action.

**FAO/ETAP (1958)**

M  
61-06877

*Rep. FAO/E.T.A.P.*, (907) : 48 p.

Informe al Gobierno de Chile sobre la pesca con embarcaciones menores (Report to the Government of Chile on fisheries with small vessels)

Based on the work of C. Olesen. Report on FAO project carried out under UN Expanded Technical Assistance Programme. Briefly reviews the local fisheries, describes existent and improvement in fishing methods such as long line, troll, gill nets, harpoon and various types of trawls.

**Ellis, E. A. (1960)**

F  
61-06878

*Ctry Life, Lond.*, 128 (3330) : 1590-1

The coypu threat in East Anglia

Notes on life history of *Myocastor coypus*. Records introduction into England and its spread. Discusses its value in keeping waterways free of aquatic vegetation and its harmful activities in causing soil erosion and destroying field crops.

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61-06879  
*Schweiz. Z. Hydrol.*, 22 (1) : 23-39  
 Die praktische Anwendung der elektrochemischen Sauerstoffbestimmung im Wasser—3. Das kombinierte Gerät zur Temperatur-, Leitfähigkeits- und Sauerstoffmessung mit dem Oxytester und mit Laborsonden. Die Weiterentwicklung der bisherigen Sauerstoffmessung zur Polarometrie mit festen Elektroden (The practical use of electrochemical oxygen determination in the water—3. The combined instrument for measuring temperature, electrical conductivity and oxygen with the oxytester and laborsonde. Further development of the oxygen measurement to polarometry with fast electrodes). En
- D'Ancona, U.** (1960) MF  
61-06880  
*Schweiz. Z. Hydrol.*, 22 (1) : 40-4  
 Une invasion d'*Argulus* dans la lagune de Venise (An invasion of *Argulus* in the lagune of Venice)  
 Causes of invasion of *Argulus* and their effect on eels.
- Auerbach, M. & G. Rottengatter** (1960) F  
61-06881  
*Schweiz. Z. Hydrol.*, 22 (1) : 45-83  
 Untersuchungen über den Wasseraustausch der einzelnen Becken des Untersees (Bodensee) (Investigations on the water exchange of the separate basins of the lower lake of Lake Constance)
- Bachofen, R.** (1960) F  
61-06882  
*Schweiz. Z. Hydrol.*, 22 (1) : 84-95  
 Meth dische und experimentelle Studie über Stoffwandlungen in Seesedimenten (Methodical and experimental study on the chemical changes in lake sediments)  
 Experiments on decomposition on compounds containing nitrogen and phosphorus and liberation of nitrites, nitrates and phosphates.
- Bourelly, P.** (1960) F  
61-06883  
*Schweiz. Z. Hydrol.*, 22 (1) : 96-102  
 Une excursion algologique dans la forêt de Fontainebleau (Algological excursion in the forest of Fontainebleau)
- Chodat, F. & J. F. Schopfer** (1960) F  
61-06884  
*Schweiz. Z. Hydrol.*, 22 (1) : 103-10  
 Effets de synergie des conditions simultanées de carboautotrophie et de carbohétérotrophie observées dans la croissance de quelques algues (Synergic effects of the simultaneous conditions of carbon autotrophy and carbon heterotrophy observed in the growth of some algae)

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61-06885
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*Schweiz. Z. Hydrol.*, 22 (1) : 122-30  
 Über den Feinbau der *Euglena*-Zelle (On the microstructure of *Euglena*-cells)
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*Schweiz. Z. Hydrol.*, 22 (1) : 131-5  
 Über Flechtenalgen (On the lichen-algae)  
 Discussion on the systematics of this group.
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- Höhn-Ochsner, W.** (1960)  
*Schweiz. Z. Hydrol.*, 22 (1) : 136-49  
 Das Agerstenried in der Gemeinde Uster ZH—Ein Beitrag zur Kenntnis seiner gegenwärtigen Flora und Fauna (The Agerstenried in the common Uster ZH—A contribution to the knowledge of its present flora and fauna)
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 Neuer Fund von *Cosmarium dilatatum* nova species (New finding of *Cosmarium dilatatum* nova species)
- F  
61-06889
- Knöpp, H.** (1960)  
*Schweiz. Z. Hydrol.*, 22 (1) : 152-66  
 Untersuchungen über das Sauerstoff-Produktionspotential von Flussplankton (Investigations of the oxygen production potential of river plankton)  
 Influence of various environmental factors on O<sub>2</sub> production.
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 Les trombes sur le lac Léman (The waterspouts of the Lake of Geneva)
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*Schweiz. Z. Hydrol.*, 22 (1) : 177-224  
 Algenflora der Gewässer des St.-Gotthard-Gebietes (Algal flora of the waters of the St.-Gotthard area)
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 Vegetation der alljährlich periodisch trockenliegenden Uferpartien des Sihlsees (Vegetation of the shores of the Lake Sihlsee, which are annually periodically dried out)



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 Eisen-Mangan-Grundwässer (Iron-manganese ground waters)  
 Description of the chemistry of ground waters, rich in Fe and Mn.
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*Schweiz. Z. Hydrol.*, 22 (1) : 242-56  
 L'évolution du Léman vue par le chimiste et le bactériologiste (The evolution of the Lake of Geneva seen by the chemist and the bacteriologist)
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 L'évolution du Léman vue par le biologiste et l'écologiste (The evolution of the Lake of Geneva seen by the biologist and the ecologist)
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61-06896
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*Schweiz. Z. Hydrol.*, 22 (1) : 267-70  
 Zellteilungen bei zwei Desmidiaceen *Micrasterias crux-melitensis* (Ehrb.) Hassalt und *Micrasterias rotata* (Grev.) Ralfs.) (Cell division of two desmids *Micrasterias crux-melitensis* (Ehrb.) Hassalt and *Micrasterias rotata* (Grev.) Ralfs.)
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*Schweiz. Z. Hydrol.*, 22 (1) : 271-9  
 De quelques études bactériologiques des eaux du Léman, prélevées dans le Petit-Lac durant les années 1957, 1958 et 1959 (On some bacteriological studies of water samples of the Lake of Geneva, taken in the Petit-Lac during the years 1957, 1958 and 1959)
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61-06898
- Ruttner, F.** (1960)  
*Schweiz. Z. Hydrol.*, 22 (1) : 280-91  
 Über die Kohlenstoffaufnahme bei Algen aus der Rhodophyceen-Gattung *Batrachospermum* (On the carbon uptake by algae from the Rhodophyceae genera *Batrachospermum*)
- F  
61-06899
- Strøm, K.** (1960)  
*Schweiz. Z. Hydrol.*, 22 (1) : 292-4  
 Pseudomoraines formed by lake ice
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61-06900
- Stumm, W. & G. F. Lee** (1960)  
*Schweiz. Z. Hydrol.*, 22 (1) : 295-319  
 The chemistry of aqueous iron. De  
 Discussion and theories of the iron chemistry of natural waters.

**Thomas, E. A. (1960)**

F

61-06901

*Schweiz. Z. Hydrol.*, 22 (1) : 320-9

Chloridzugabe bei Plankton-Test-Loten im Baldeggersee (Addition of chlorides in the Plankton-test-tubes in the Lake Baldeggersee)

O<sub>2</sub> content, phosphates and other chemical constituents and phytoplankton in light and dark large test tubes with and without addition of chlorides exposed in the lake.**Vivier, P. (1960)**

F

61-06902

*Schweiz. Z. Hydrol.*, 22 (1) : 350-64

Température et oxygène dissous en profondeur dans les lacs de barrage artificiels français (Temperature and oxygen dispersed in depth in French artificial barrage lakes)

**Zehnder, A. (1960)**

F

61-06903

*Schweiz. Z. Hydrol.*, 22 (1) : 365-79

Zur Systematik der Chroococcaceae (On the systematic of Chroococcaceae)

**Baars, J. K. & I. J. Le Cosquino de Bussy (1960)**

F

61-06904

*Schweiz. Z. Hydrol.*, 22 (1) : 380-95

Infiltration von Flusswasser in Dünengebieten (Infiltration of river water into dune areas)

**Bosset, E. (1960)**

F

61-06905

*Schweiz. Z. Hydrol.*, 22 (1) : 396-406

Des caractéristiques physico-chimiques des eaux souterraines de la plaine alluviale de l'Orbe (Physical-chemical characteristics of the underground waters in the alluvial plain of Orbe)

**Bucksteeg, W. (1960)**

F

61-06906

*Schweiz. Z. Hydrol.*, 22 (1) : 407-19

Zur Frage des mikrobiellen Abbaues von Cyaniden in Abwässern (On the question of decomposition of cyanides in polluted waters by micro-organisms)

**Cleary, E. J. (1960)**

F

61-06907

*Schweiz. Z. Hydrol.*, 22 (1) : 420-39

River-quality surveillance techniques in the Ohio Valley

Description of the system of water quality monitoring in the river with some representative results.

**Fair, G. M. (1960)**

IF

61-06908

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A unifying concept of water purification kinetics

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 Population piscicole d'une frayère en bordure de la Meuse belge (Fish population of a spawning ground on the border of the Belgian Meuse)  
 Issued also as: *Trav. Sta. Rech. Groenendaal*, D(27). Counts, in 1959, of various cyprinids, *Esox*, *Anguilla*, *Salmo fario*, *Perca*.
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 Einsatz neuerer Messmethoden auf dem Gebiet der Abwasserreinigung und Gewässerkontrolle im Bereich der Emschergenossenschaft und des Lippeverbandes (The use of new measuring methods in the purification of polluted waters and water quality control in the area of the Ems and Lippe Associations)  
 Description of the methods.
- Ippolito, G.** (1960) IMF  
61-06911  
*Schweiz. Z. Hydrol.*, 22 (1) : 478-85  
 Il problema dell'inquinamento delle acque superficiali in Italia (The problem of pollution of superficial waters in Italy). *It*
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61-06912  
*Schweiz. Z. Hydrol.*, 22 (1) : 507-17  
 Elektrophoretische Blutuntersuchungen bei normalen und bauchwasser-suchtkranken Karpfen (Electrophoretical blood investigations of normal carps and of those infected with dropsy)
- Pöpel, F.** (1960) F  
61-06913  
*Schweiz. Z. Hydrol.*, 22 (1) : 545-62  
 Ein Beitrag des Ingenieurs für die Erhaltung der Wassergüte (A contribution by the engineer to the maintenance of water quality)  
 Some mathematical treatments of the purification problems in nature.
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61-06914  
*Science*, 133 (3455) : 758-60  
 Pressure sensitivity of an amphipod  
 Experiments with the intertidal *Synchelidium* sp. nov.
- Parker, B. C., H. C. Bold & T. R. Deason** (1961) F  
61-06915  
*Science*, 133 (3455) : 761-2  
 Facultative heterotrophy in some chlorococcacean algae  
 All known spp. of *Bracteacoccus*, *Spongiochloris* and *Dictyochloris*, and of *Neochloris* and *Spongiococcus* are capable of growing heterotrophically in darkness in a glucose-salts medium; in contrast, all known spp. of *Chlorococcum* are obligate photo-autotrophs.

**Hancock, K. F. (1960)**F  
61-06916

Thesis, University of Alabama, 124 p.

Some factors affecting growth and production of motile cells in five chlorococcacean algae

DA 21 (7) : 1723-4. Studies growth and motile cell production in *Chlorococcum echinozygotum*, *C. hypnosporum*, *Bracteococcus minor*, *Neochloris terrestris* and *N. gelatinosa*.**Collette, B. B. (1960)**F  
61-06917

Thesis, Cornell Univ., 380 p.

The systematics and biology of the darters of the subgenera *Hololepis* and *Villora* (Pisces, Percidae)DA 21 (7) : 2051. Clarifies the taxonomic relationships within two groups of *Etheostoma*, the subgenera *Hololepis* and *Villora*. Incl. investigations on habitat, spp. associates, habits, and predators.**Heath, G. W. (1960)**M  
61-06918

Thesis, Cornell Univ., 366 p.

The anatomy and growth pattern of the claspers and siphon sacs of the spiny dogfish, *Squalus acanthias* Linnaeus, and the smooth dogfish, *Mustelus canis* Mitchell

DA 21 (7) : 2053-4. Describes the skeleton and musculature of the claspers, histological and histochemical study of the siphon sacs, brief report on the testis-epigonal organ couple, growth rates of the claspers and siphon sacs correlated with total body length and with the onset of sexual maturity. Discusses possible functions of the claspers and siphon sacs.

**Hemphill, A. F. (1960)**MF  
61-06919

Thesis, Univ. of Alabama, 373 p.

A survey of the fishes of the lower coastal plain of Alabama

DA 21 (7) : 2054. Presents keys for the identification of the various spp., diagnostic descriptions, and notes on their distribution and habitats.

**Peters, L. E. (1960)**F  
61-06920

Thesis, Purdue Univ., 95 p.

Studies on some digenetic trematodes of fishes with reference to the allocreadioid problem

DA 21 (7) : 2057. Studies taxonomic problem posed by families assigned to the super-family Allocreadioidea. Incl. resolution of contradictions posed by reported life histories in the genus *Allocreadium*, reconsideration of certain generic and family concepts, comparative morphology of miracidia, and embryology of excretory system, which has never been described in Lepocreadiidae and the Acanthocolpidae.

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Thesis, Univ. of N. Carolina, 71 p.  
Effect of the substratum on the metamorphosis of the intertidal gastropods  
*Nassarius obsoletus* and *Nassarius vibex*
- DA 21 (7) : 2058. Metamorphosis of *N. obsoletus* is markedly affected by presence of desirable substratum. Closely related spp., *N. vibex*, did not show a metamorphosis response to the presence of a natural substratum. Ability to delay metamorphosis and to respond to a favorable substratum greatly enhances the probability that *N. obsoletus* will terminate its pelagic life in a favorable habitat.
- M  
61-06922
- Seguin, R. T. (1960)**  
Thesis, Univ. of Delaware, 84 p.  
Variation in the Middle Atlantic coast population of the gray squeteague,  
*Cynoscion regalis* (Bloch and Schneider) 1801
- DA 21 (7) : 2059. The variation in certain morphometric and meristic characters of *C. regalis* from six localities. Investigates in an attempt to delimit and define the various geographic groups.
- M  
61-06923
- Slijper, E. J. (1961)**  
*Norsk Hvalfangsttid.*, 50 (2) : 41-54  
The still unexplained mystery of the whales. *En No*  
A study of the senses and mechanism of direction and migrations on whales.
- M  
61-06924
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*Norsk Hvalfangsttid.*, 50 (2) : 54-61  
Whaling fleet complement season 1960/61. *En No*  
Sizes of whaling fleet crews in 1938/39 and 1945 to 1961.
- M  
61-06925
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*Norsk Hvalfangsttid.*, 50 (2) : 62-74  
Catch material in the season 1960/61. *En No*  
Number of floating factories and catchers.
- M  
61-06926
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Some further records of pelagic Polychaeta from the northeast Pacific north of latitude 40° N and east of longitude 175° W, together with records of Siphonophora, Mollusca, and Tunicata from the same region

17 spp. of pelagic Polychaeta from the northeastern Pacific are recorded. 8 spp. of Siphonophora are listed, all of which constitute new records for the region covered by the present collections. 6 spp. of Mollusca, comprising 5 Pteropoda and 1 Heteropoda, are recorded, none of which have been identified previously in northeastern Pacific plankton.

- Cornwall, I. E.** (1960) M  
61-07015  
*Canad. J. Zool.*, 38 (4) : 827-32  
 Barnacle shell figures and repairs

The structure of the shell was examined by decalcification. It was found that the pores in the shell of *Balanus nigrescens* are nearly filled with tissue and not shelly matter. Other spp. examined have only a thin layer of tissue lining the parietal pores. Tests were made that show that the structure of the shell is crystalline and not amorphous.

- Southgate, B. A.** (1960) F  
61-07016  
 Edinburgh, 12 p.

The work of the water pollution research laboratory

Describes chief lines of research being pursued at this laboratory at Stevenage, Herts., England. Issued also as: *Repr. Wat. Pollut. Res. Lab.*, (349).

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**Cohen, J. M. *et al.* (1959)**  
U.S. Public Health Serv., mimeo, 28 p.  
Effect of fish poisons on water supplies. 1. Removal of toxic materials

Discusses common piscicides and the ability of various treatment processes to remove toxic agents deliberately added to a water during fish management operations.
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61-07018

**Cohen, J. M., G. A. Rourke & R. L. Woodward (1959)**  
U.S. Public Health Serv., mimeo, 19 p.  
Effect of fish poisons on water supplies. 2. Odor problems

Co 61-07017. Reports on the results of experiments aimed at assessing the odor potential of various fish poison formulations and the ability of water treatment processes to remove these odors.
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61-07019

**Cohen, J. M. *et al.* (1959)**  
U.S. Public Health Serv., mimeo, 22 p.  
Effect of fish poisons on water supplies. 3. Field study—Dickinson, North Dakota

Co 61-07018. Describes fish-killing operations on a lake and stream using "Pro-Noxfish"—rotenone, cube and derris extractives, sulfoxide and inerts—followed by treatment of the water to restore its quality.
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61-07020

**Weber, D. T. (1959)**  
Dingell-Johnson Project F-1-R-9, 33 p.  
Test netting and seining of northern lakes 1959

Gives information about fish populations and physical characteristics of some natural and artificial lakes in northern part of S. Dakota. Data is to be used to determine effects of past fisheries management and to assist in formulation of future management plans.
- F  
61-07021

**Sowards, C. L. (1960)**  
Dingell-Johnson Project F-1-R-8, 24 p.  
Creel census and trout stocking evaluation Iron Creek Lake, South Dakota 1957-1959

Account of observations to obtain information upon which to base a program that would determine anglers' success, utilization of hatchery reared trout and establish guide lines for management.
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61-07022

**Backlund, C. (1960)**  
Dingell-Johnson Project F-1-R-8, 15 p.  
Enemy swim lake fisherman harvest study 1958

Account of investigations on the fishing intensity and estimation of catch during 1958-1959 creel census period. Netting operations show that pan fish dominates fish population.

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61-07023

**Strickland, J. D. H.** (1960)  
*Bull. Fish. Res. Bd Can.*, (122) : 172 p.  
 Measuring the production of marine phytoplankton

Ci 584291 and 59-4674. A detailed review of chemical composition of phytoplankton, conversion factors, methods of measurement of standing crop and rate of photosynthesis, kinetics of unicellular growth and decay and observations on rapid population changes in their nature—plankton blooms. Incl. section on terminology.

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61-07024

**Wolf, Ph.** (1960)  
*Salm. Trout Mag.*, (160) : 176-85  
 Land drainage and its dangers as experienced in Sweden—2.

Co 61-03267. Presents the results of a questionnaire issued to property-holders along Swedish stream affected by river regulation asking for their opinion of its value with respect to yield from the land, effect on subsoil water, hunting, damage to the amenities, etc.

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**Went, A. E. J.** (1960)  
*Salm. Trout Mag.*, (160) : 186-91  
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**Gunston, D.** (1960)  
*Salm. Trout Mag.*, (160) : 200-3  
 How well can fish see?

CR 583297. A popular article on the subject.

MF  
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**Sedgwick, D.** (1960)  
*Salm. Trout Mag.*, (160) : 204-10  
 Planting salmon

Describes: (1) a method of planting eyed eggs in gravel through a plastic pipe; (2) salmon rearing in Sweden. Some survival figures are given.

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**Stewart, L.** (1960)  
*Salm. Trout Mag.*, (160) : 211-25  
 An investigation into the workings of B.<sub>13</sub> type fish passes in the Lancashire River Board area

A detailed discussion of their efficiency, with respect to salmonid passage.

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Birth of a salmon river
- Describes success of the introduction of *Salmo salar* and *S. trutta*—sea trout—into a Scottish stream previously barren of these fish.
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- India. Marine Biological Association** (1959)  
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- Preliminary biological survey of one of lagoons along the south-east coast of India. Salient physical and chemical characteristics in relation to peculiar ecological nature of the area and its consequent low biological production are discussed. Estimate of annual fish yield. Possible means of more organized work and effective utilization of resources of such an area are outlined. Fisheries for *Mugil*, *Penaeus*, *Chanos*, *Nematalosa*; fishing methods.
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- Incl. comparison with *E. muticus*, and key to related spp.—*Trichiurus lepturus* and *Lepturacanthus savala*.
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*J. Mar. biol. Ass. India*, 1 (2) : 143-64
- On a collection of palinurid *Phyllosomas* from the Laccadive Seas
- Describes series and stages of *Panulirus* and *Jasus* collected by 'Kalava' and 'Jumna', 1958-59.

**Banse, K.** (1959)M  
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On marine Polychaeta from Mandapam (South India)

Ill. systematic descriptions.

**Jones, S.** (1959)M  
61-07036*J. Mar. biol. Ass. India*, 1 (2) : 178-9Notes on animal associations—1. Porcellanid crab on the sea pen, *Pteroeides esperi* Herklots*Porcellanella* from Gulf of Mannar.**Raja, B. T. A.** (1959)M  
61-07037*J. Mar. biol. Ass. India*, 1 (2) : 180-97

Studies on the distribution and succession of sedentary organisms of the Madras Harbour

Edited version of thesis of Univ. of Madras. Ecology and influence of physical and chemical environmental factors; community sequences.

**Jones, S.** (1959)M  
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Behaviour, feeding and diet observed; review of literature and unpublished information.

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61-07040*J. Mar. biol. Ass. India*, 1 (2) : 206-11

The vertical distribution of dissolved oxygen in the deeper waters of the Arabian Sea in the neighbourhood of the Laccadives during the summer of 1959

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 Notes on the feeding habits of *Ianthina janthina* Linnaeus
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- Congenital absence of one leg from right side of this crab observed in several specimens at Palk Bay. Also carapace teeth abnormalities.

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Measurements and notes on 43 cm specimen taken by 'Kalava' 10 Apr. 1959. Only one previous record of juvenile around India.

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Specimens from Bombay, Oct. 1958-Jan. 1959. 10% hermaphrodites.

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Morphometry, number of embryos, in 17 specimens landed 12 Nov. 1959 on S. Kanara coast.

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*En* 61-03837. Account of experiments carried out on embryos of *Dendronotus frondosus*, *Coryphella rufibranchialis*, *Acanthodoris pilosa*, *Onchidoris muricata* and *Cuthona* sp. States that results obtained did not contradict existing viewpoint on role of acetylcholine-choline-sterase enzyme system in originating nervous system functions.
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Description and methods of recording.

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Alacran Reef, Campeche Bank, Mexico

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F

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**Ophel, I. L.** (1960)

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MF

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General approach to the evaluation of the suitability of any given marine locale as a receiver of nuclear wastes is presented and the application of this approach to the estuarine and coastal environment is discussed.

F

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**Straub, C. P.** (1960)

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MF

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Panel summary

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F

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Results of laboratory bioassays on some organic phosphorus and chlorinated hydrocarbon insecticides to determine their relative toxicity to fish and factors which may affect toxicity.

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**Loosanoff, V. L.** (1960)

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Some effects of pesticides on marine arthropods and molluscs

Results of the study of insecticides in respect of their use in controlling aquatic forms which were either competitors or enemies of such commercial molluscs as oysters, clams and scallops.

F

61-08117

**Anderson, B. G.** (1960)

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The toxicity of organic insecticides to *Daphnia*

Data on concentrations of various insecticides required to immobilize *Daphnia magna* in 50 hours.

MF

61-08118

**Bond, C. E., R. H. Lewis & J. L. Fryer** (1960)

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Toxicity of various herbicidal materials to fishes

Data on median tolerance limits of various chemicals for largemouth bass, chinook and coho salmon.

F

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**Cottam, C.** (1960)

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Panel summary

Summary and conclusions on the problems and present state of knowledge on the effects of insecticides on aquatic animals.

F

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**Fry, F. E. J.** (1960)

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Summary of the oxygen consumption and requirements and factors affecting these.

MF

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Thermal requirements of fish—Three decades of study, 1940-1970

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F

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 Relates the views of water quality control and abatement procedures of a state authority, whose aquatic researches and policies are guided by a predominantly biological staff.

**Renn, C. E. (1960)**F  
61-08129*Tech. Rep. Taft sanit. Engng Cent.*, (W60-3) : 156-9

Biological aspects of industrial waste problems

Stresses the importance and need for studies on physiological action of wastes upon aquatic animals and plants.

**Waldichuk, M. (1960)**MF  
61-08130*Tech. Rep. Taft sanit. Engng Cent.*, (W60-3) : 160-76

Effects of pulp and paper mill wastes on the marine environment

Physical characteristics of the bays and inlets of British Columbia; characteristics of pulp and paper mill wastes, their effects on marine and estuarine environment in the areas in question.

**ZoBell, C. E. (1960)**M  
61-08131*Tech. Rep. Taft sanit. Engng Cent.*, (W60-3) : 177-83

Marine pollution problems in the southern California area

Public health and economic aspects of marine pollution and survival of coliform bacteria in the sea.

**Gunter, G. (1960)**MF  
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Pollution problems along the Gulf coast

Description of some marine pollution problems along this coast, specially in respect of oysters.

**McNulty, J. K., E. S. Reynolds & S. M. Miller (1960)**MF  
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Ketchum's Intertidal Volume Concept is applied to the distribution of coliform bacteria in Biscayne Bay. Data on chemical nutrients, plankton volumes and water color are presented and discussed.

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Description of direct and indirect damage to oysters, caused by pollution.

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- Weiss, C. M.** (1960) MF  
61-08143  
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- Hooper, F. F.** (1960) F  
61-08144  
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- Henderson, C.** (1960) F  
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- Doudoroff, P.** (1960) F  
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- Black, H. H.** (1960) MF  
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Ci 28-3531BO, 59-4456, 60-2589, 61-02122, 61-07778, 61-08605, 61-08606. *Ascocotyle leighi* Burton, 1956; *Parascocotyle diminuta* Stunkard & Haviland, 1924 and *Pseudoscocotyle mollieniscicola* n. gen., n. sp., found in poeciliid and cyprinodont fishes from brackish-water lake Pontchartrain, Louisiana. All represent new locality records. New second intermediate host records incl. *Parascocotyle diminuta* in *Cyprinodon variegatus* Lacépède, *Fundulus grandis* (Baird & Girard), *Fundulus jenkinsi* (Evermann), *Lucania parva* (Baird & Girard), and *Mollienisia latipinna* Le Sueur.

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*Priroda, Moskva*, 49 (10) : 51-4

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*Priroda, Moskva*, 49 (10) : 69-73

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- Anon.** (1960) M  
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- Howland, R.** (1960) M  
61-08624  
*Nat. Fisherm.*, 41 (8) : 20

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MF  
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Prohibits the taking of fish by nets of every description other than the dip or scoop net prescribed by regulation 25 for the capture of prawns only, in the specified tidal waters, from 30 Mar. 1961–29 Mar. 1966.

F  
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**New South Wales. Laws, Statutes, etc.** (1960)  
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Proclamation made under the fisheries and oyster farms act, 1935, as amended, relating to the whole of the waters of Fairy and Mullet creeks, County of Camden. (2648).—23 November 1960

Prohibits the taking of fish by means of nets of every description, except meshing nets, in the specified tidal waters, from 16 Mar. 1961–15 Mar. 1966.

F  
61-08656

**New South Wales. Laws, Statutes, etc.** (1960)  
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Amends regulation 21 relative to fishing in certain parts of Wallis Lake.

M  
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**New South Wales. Laws, Statutes, etc.** (1960)  
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Regulation to amend the regulations made under the fisheries and oyster farms act, 1935, as amended. (2393).—25 November 1960

Insertion of a new regulation 20 A relative to the length and size of mesh of nets which may lawfully be used for the taking of anchovies in the specified waters.

F  
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**New South Wales. Laws, Statutes, etc.** (1960)  
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Proclamation made under the fisheries and oyster farms act, 1935, as amended, relating to the waters of Evans River, County of Richmond. (2939).—7 December 1960.

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Proclamation made under the fisheries and oyster farms act, 1935, as amended, relating to the whole of waters and foreshores of Lake Macquarie, County of Northumberland. (2940).—7 December 1960

Prohibits the taking of worms and nippers by digging by means of a spade, fork or similar instrument, in the specified tidal waters, from 6 Apr. 1961-5 Apr. 1966.

M

**Queensland. Laws, Statutes, etc. (1960)**

61-08660

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MF

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61-08661

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MF

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F

**Western Australia. Laws, Statutes, etc. (1960)**

61-08663

9° *Elizabeth II.*, (46) : 8 p.

Fisheries act amendment act, 1960: an act to amend the fisheries act, 1905-1956.—15 November 1960

Various amendments relating to crayfish.

F

**Western Australia. Laws, Statutes, etc. (1960)**

61-08664

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Regulations to amend the regulations made under the fisheries act, 1905-1960.—17 November 1960

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*Gac. ofic. Cuba*, I, (97) : 12513-4

Resolución por la cual se relacionan las especies de pescados y mariscos de producción nacional.—9 de mayo de 1960 (Resolution of the National Fisheries Institutes enumerating the species of fish and crustacean classified of local production.—9 May 1960)

Such enumeration is made with the exemption to be granted to spp. imported from countries with which trade agreements have been concluded.

M

61-08672

**Cuba. Laws, Statutes, etc. (1960)**

*Gac. ofic. Cuba*, I, (127) : 16023-5

Convención entre Cuba y los Estados Unidos de América para la conservación del camarón.—18 de mayo de 1960 (Convention between Cuba and US on the protection of shrimp.—18 May 1960)

Publication of convention signed on 15 Aug. 1958 and ratified by Cuba on 14 Jul. 1959.

M

61-08673

**Cuba. Laws, Statutes, etc. (1960)**

*Gac. ofic. Cuba*, I, (107) : 13689

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Effective 15 Jun. 1960.

F

61-08674

**Cuba. Laws, Statutes, etc. (1960)**

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Resolución por la cual se establece un período de veda de las especies denominadas langostinos o camarones de río, Carey y tortuga.—31 de mayo de 1960 (Resolution establishing a closed season for the species known as prawns, tortoises and tortugas.—31 May 1960)

15 Jun.—30 Aug. 1960.

M

61-08675

**Cuba. Laws, Statutes, etc. (1960)**

*Gac. ofic. Cuba*, I, (125) : 15773

Resolución por la cual se establece un período de veda de la especie denominada vulgarmente cangrejo moro, *Menippe mercenaria*, el cual comensará el próximo día 15 de julio de 1960.—28 de junio de 1960 (Resolution establishing a closed season for the species commonly known as "cangrejo moro", *Menippe mercenaria*)

15 Jul.—15. Oct. 1960.

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*Gac. ofic. Cuba*, I, (147) : 18484-5

Resolución por la cual se establece un período de veda de las especies denominadas cubera y caballerote.—20 de julio de 1960 (Resolution establishing a closed season on the species "cubera" and "caballerote", (*Lutajnus pargus* and *Neomoensis grisens*, respectively). 20 July 1960)

From 1 Aug. 1960 until further notice.

**Cuba. Laws, Statutes, etc. (1960)** MF  
61-08677  
*Gac. ofic. Cuba*, I, (163) : 20687-8

Resolución No. 359 por la cual se estabilizan los precios de venta de ciertos artículos. 22 de agosto de 1960 (Resolution No. 359, stabilizing prices of certain articles.—22 August 1960)

Prices of various products, incl. fish and crustaceans, are frozen at levels of the period 8-13 Aug. 1960.

**Cuba. Laws, Statutes, etc. (1960)** MF  
61-08678  
*Gac. ofic. Cuba*, I, (170) : 21544

Resolución por la cual se da por terminada la veda de la especie denominada ostión, *Crassostrea rizophorae*.—31 de agosto de 1960 (Resolution terminating the closed season on the oyster *Crassostrea rizophorae*.—31 August 1960)

As of 1 Sep. 1960. Closed season established as of 1 Jun. 1960 by resolution of 12 May 1960.

**France. Laws, Statutes, etc. (1960)** M  
61-08679  
*J. off. Rép. franç.*, (170) : 6761-2

Arrêté du 30 juin 1960 portant réglementation de la récolte du lichen carrageen sur le littoral de la Manche et de l'océan. (Order regulating the harvesting of carrageen lichen on the shores of the English Channel and the ocean.—30 June 1960)

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**France. Laws, Statutes, etc. (1960)** F  
61-08680  
*J. off. Rép. franç.*, (182) : 7341-2

Arrêté du 26 juillet 1960 portant modification de l'arrêté du 16 septembre 1958 autorisant l'emploi de divers filets, engins ou lignes dans certaines eaux de la première catégorie (Order amending the order of 16 September 1958, authorizing the use of various nets, apparatus or lines in certain first-category waters.—26 July 1960)

Modifies annex to the order of 16 Sep. 1958 in respect of inland waters of 15 departments.

MF

**France. Laws, Statutes, etc. (1960)**

61-08681

*J. off. Rép. franç.*, (246) : 9562-4

Décret n° 60-1122 du 17 octobre 1960 portant règlement d'administration publique pour l'application des articles 5 et 7 de la loi du 19 décembre 1917 modifiée relative aux établissements dangereux, insalubres ou incommodes (Decree No. 61-1122, prescribing regulations for the application of arts. 5 and 7 of the act of 19 December 1917, as amended, relating to dangerous, unhealthy or objectionable establishments.—17 October 1960)

Prescribes further amendments to the table annexed to the decree of 20 May 1953, as amended, in respect of air and water pollution by radioactive substances.

M

**France. Laws, Statutes, etc. (1960)**

61-08682

*J. off. Rép. franç.*, (289) : 11150

Arrêté du 23 novembre 1960 autorisant la pêche des coquilles Saint-Jacques sur les bancs situés à l'intérieur des eaux territoriales françaises dans les quatre premiers arrondissements maritimes (Order authorizing the harvesting of scallops on the banks lying within French territorial waters in the first four maritime regions.—23 November 1960)

Annual open season from 1 Sep. to not later than 15 May, on the coast between the Spanish and Belgian borders. Revokes decree of 2 Feb. 1934 on same subject.

F

**France. Laws, Statutes, etc. (1960)**

61-08683

*J. off. Rép. franç.*, (289) : 11151

Arrêté du 1er décembre 1960 relatif au transfert au ministère de l'agriculture (administration des eaux et forêts) de la surveillance, de la police et de l'exploitation de la pêche dans les voies d'eau relevant du ministère des travaux publics et des transports (Order transferring to the Ministry of Agriculture, Administration of Waters and Forests, the control, police and exploitation of fishing in certain water courses under the jurisdiction of the Ministry of Public Works and Transports.—1 December 1960)

Affects the Bruche canal and the Loire.

M

**France. Laws, Statutes, etc. (1960)**

61-08684

*J. off. Rép. franç.*, (286) : 11058-9

Arrêté du 1er décembre 1960 portant réglementation de la pêche sous-marine sur l'ensemble du littoral métropolitain (Order regulating under-water fishing for the entire sea coast of continental France.—1 December 1960)

Repeals the order of 4 Jun. 1951 on the same subject.



# REFERENCES

**France. Laws, Statutes, etc. (1960)**

MF  
61-08685

*J. off. Rép. franç.*, (292) : 11273-5

Décret n° 60-1341 du 8 décembre 1960 portant publication et mise en vigueur provisoire du protocole additionnel à la convention commerciale et tarifaire francotunisienne du 5 septembre 1959 signé à Tunis le 22 septembre 1960 entre le Gouvernement de la République française et le Gouvernement de la République tunisienne (Decree No. 60-1341, publishing and placing provisionally in force the additional protocol to the Franco-Tunisian trade and tariff convention of 5 September 1959, signed 22 September 1960.—8 December 1960)

Tunisia grants tax exemption, *inter alia*, for many fish imports.

**France. Laws, Statutes, etc. (1960)**

M  
61-08686

*J. off. Rép. franç.*, (293) : 11359

Arrêté du 8 décembre 1960 modifiant les articles 6 et 10 de l'arrêté du 8 février 1954 relatif au maillage des arts trainants et à la taille marchande des poissons en mer du Nord, Manche et Atlantique (Order amending arts. 6 and 10 of the order of 8 February 1954 relating to trawl-net mesh sizes and trade size of fish of the North Sea, English Channel and Atlantic.—8 December 1960)

In view of the recommendations of the 8th Session, May 1960, of the Permanent Committee under the London Convention of 1946.

**France. Laws, Statutes, etc. (1960)**

M  
61-08687

*J. off. Rép. franç.*, (301) : 11909

Loi n° 60-1437 du 27 décembre 1960 portant extension du bénéfice des prestations familiales aux marins pêcheurs non salariés et aux inscrits maritimes embarqués au cabotage et à la navigation côtière des départements d'outre-mer (Act No. 60-1437, extending the benefits of family allowances to non-salaried deep-sea fishermen and enrolled sea personnel in transportation and coastal navigation in the overseas departments.—27 December 1960)

**France. Laws, Statutes, etc. (1960)**

MF  
61-08688

*J. off. Rép. franç.*, (302) : 11973-4

Décret n° 60-1443 du 27 décembre 1960 modifiant les tarifs des droits de douane d'importation (Decree No. 60-1443, modifying the import customs tariff.—27 December 1960)

Complete revision and republication. Covers fishery products. Import customs tariff tables annexed, p. 1-280.

**France. Laws, Statutes, etc. (1961)**

MF  
61-08689

*J. off. Rép. franç.*, (6) : 316-8

Décret n° 60-1524 du 30 décembre 1960 sur le contrôle de la fabrication des conserves et semi-conserves de poissons, crustacés et autres animaux marins (Decree No. 60-1524, relating to the control of manufacture of preserves and semi-preserves of fish, shell-fish and other marine animals—30 December 1960)

Detailed quality control measures. Abrogates decree No. 49-1405 of 5 Oct. 1949.

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MF

## Algeria. Laws, Statutes, etc. (1960)

61-08690

*Rec. Actes adm. Algeria*, (101) : 2833-4

Arrêtés du 15 novembre 1960 créant à la délégation générale en Algérie une commission relative à la circulation en Algérie du poisson par véhicules routiers, wagons ou containers isothermes réfrigérants ou frigorifiques et désignant les président, membres et experts de la dite commission (Orders relative to the setting up, within the general delegation in Algeria, of a commission for the transport of fish in Algeria by constant-temperature, refrigerating or freezing road vehicles, trucks or containers, and designating the president, members and experts of the said commission.—15 November 1960)

Ad 60-8855. Made pursuant to the order of 30 Mar. 1960 relative to said transport of fish.

M

## Algeria. Laws, Statutes, etc. (1961)

61-08691

*Rec. Actes adm. Algeria*, (9) : 339

Décision n° 61-1 EC/R/4 du 20 janvier 1961 prévoyant le paiement par la caisse algérienne d'intervention économique d'une subvention aux sauteurs du quartier de l'inspection maritime de Nemours (Decision No. 61-1 EC/R/4 providing for the payment of a subsidy by the Algerian fund for economic adjustments to the salters of Nemours.—20 January 1961)

On anchovies sold at fixed prices during the 1960 season.

M

## Guadeloupe. Laws, Statutes, etc. (1960)

61-08692

*Rec. Actes adm. Guadeloupe*, (50) : 646-50

Arrêté n° 60-2-067 portant réglementation de l'exercice de la pêche maritime côtière dans les eaux du département de la Guadeloupe.—23 novembre 1960 (Order No. 60-2-067, regulating off-shore fishing in the waters of the Guadeloupe department.—23 November 1960)

Extensive regulations governing fishing within three miles from the shore, and in parts of rivers, torrents, lagoons and ponds near to the sea, the water of which is still salted. Prohibitions to use certain gear and fishing methods; to destroy fry; to take fish and molluscs under a specified size, etc.

F

## Germany. Eastern. Laws, Statutes, etc. (1960)

61-08693

*GesBlatt dtsh. demokrat. Rep.* (1), (47) : 477-8

Zweite Durchführungsbestimmung zum Fischereigesetz.—Fischereiaufsicht der Binnengewässer (Second executive provision relative to the fisheries act. Supervision of fisheries in inland waters.—10 August 1960)

Made pursuant to the fisheries act of 2 Dec. 1959. Provisions of an administrative character.

MF

## Germany. Federal Republic. Laws, Statutes, etc. (1960)

61-08694

*MinistBl. Germ. fed. Rep.*, (15) : 311-2

Gesetz über eine Fischereistatistik (Act relative to fisheries statistics.—21 July 1960)

Prescribes the scope, form, information and procedure stipulated for statistics to be carried out on deep sea and coastal fisheries, as well as on Lake Constance fisheries.

# REFERENCES

**Germany. Federal Republic. Laws, Statutes, etc. (1960)** M  
61-08695  
*MinistBl. Germ. fed. Rep.*, (22) : 530

Verordnung über die Benennung von Waren als landwirtschaftliche Erzeugnisse im Sinne des Gesetzes gegen Wettbewerbsbeschränkungen (Ordinance relative to the designation of goods as agricultural products within the meaning of the act against restrictions on competition, of 27 July 1957. (*BGBL. I*, p. 1081).—29 October 1960)

Within the meaning of the act aforesaid the following are defined as agricultural products: salt fish, cooked, salt or dried shrimps.

**Italy. Laws, Statutes, etc. (1960)** M  
61-08696  
*Gazz. uff. Italy*, (246) : 3786

Decreto del Presidente della Repubblica n. 1046, del 28 agosto 1960. Determinazione del prezzo special di vendita del sale comune per la salagione dei pesci, da prelevarsi presso gli stabilimenti di produzione (Decree No. 1046 of the President of the Republic establishing the special selling price of common salt for the salting of fish to be charged at the production premises.—28 August 1960)

The special rate of 900 lire per quintal is charged for quantities of not less than 5000 quintals at a time, subject to the other conditions specified.

**Luxembourg. Laws, Statutes, etc. (1960)** F  
61-08697  
*Mém. Grand-Duché Luxemb.*, (58) : 1360-1

Arrêté ministériel du 28 septembre 1960 concernant le repeuplement des cours d'eau affectionnés par les salmonidés (Ministerial order relative to the restocking of watercourses frequented by salmonides.—28 September 1960)

Pursuant to the act of 21 Mar. 1947 relative to inland waters fisheries. Specifies the watercourses concerned.

**Madagascar. Laws, Statutes, etc. (1960)** MF  
61-08698  
*J. off. Rép. malgache*, (132) : 2400-1

Décret N° 60-447 du 4 novembre 1960, instituant le comité de chasse, de la pêche et de la protection de la faune prévu par l'article 32 de l'ordonnance N° 60-126 du 3 octobre 1960 (Decree No. 60-447, establishing the committee on hunting, fishing and wildlife protection, provided for by article 32 of ordinance No. 60-126 of 3 October 1960.—4 November 1960)

Fixes the composition and the functions of the committee.

**Morocco. Laws, Statutes, etc. (1960)** M  
61-08699  
*Bull. off. Emp. chérif.*, (2499) : 1710-1, 1721-2

Accord commercial entre le Royaume du Maroc et la République démocratique allemande.—8 août 1960 (Trade agreement between the Kingdom of Morocco and the German Democratic Republic.—8 August 1960)

Imports incl., *inter alia*, frozen sardines and fishmeal.

M

**Netherlands. Laws, Statutes, etc. (1960)**

61-08700

*Staatsblad Neth.*, texts 409-412 : 1063

409. Wet van 28 september 1960 tot goedkeuring van de opzegging van het walvisverdrag (409. Act approving the denunciation of the whaling treaty of Washington, of 2 December 1946.—28 September 1960)

M

**Netherlands. Laws, Statutes, etc. (1960)**

61-08701

*Staatsblad Neth.*, texts 409-412 : 1063-4

410. Wet van 28 september 1960, houdende nieuwe regelen betreffende de uitoefening van de walvisvangst. (Wet op de walvisvangst 1960) (410. Act specifying new rules relative to whaling. Short title: 1960 whaling act.—28 September 1960)

Repeals similar act, *Staatsblad Neth.* 98 of 1951.

MF

**Netherlands. Laws, Statutes, etc. (1960)**

61-08702

*Staatsblad Neth.*, texts 429-430 : 1101

430. Besluit van 28 oktober 1960, houdende enige voorzieningen in verband met de instelling van een bedrijfsschap voor de visconservenindustrie (430. Decree specifying certain measures relative to the establishment of a cooperative association for canned fish.—28 October 1960)

Prescribes the number of members of the board and employers' and workers' organizations qualified to send a specific number of members to the association in question.

M

**Norway. Laws, Statutes, etc. (1959)**

61-08703

*Norsk Lovtid.*, (7) : 227-31

Kongelig resolusjon om endr. i bestem. om saltvannsfiskeriene. Fredning og havdeling i Finnmark (Royal resolution amending the provisions governing saltwater fisheries. Protection and zoning of the sea in the Finnmark province.—20 January 1959)

Pursuant to the saltwater fisheries act of 17 Jun. 1955, art. 4, it is prescribed that arts. 16 and 19 of the resolution of 22 Dec. 1955 shall be amended in accordance with the present text which prohibits until 31 Dec. 1963 the use of pursenets and other nets for herring, brisling, mackerel, and capelan fishing in various precisely defined areas in the Finnmark province.

M

**Norway. Laws, Statutes, etc. (1959)**

61-08704

*Norsk Lovtid.*, (44) : 1240-1

Kongelig resolusjon om endr. i bestem. om saltvannsfiskeriene (merking av faststående redskaper) (Royal resolution amending the resolution of 22 December 1955 relative to salt water fisheries.—4 December 1959)

The amended art. 21 of the earlier resolution refers to provisions governing the marking of permanent fishing equipment, buoys, radar reflectors, etc.

## REFERENCES

F  
61-08705

**Paraguay. Laws, Statutes, etc. (1960)**  
Separate publication

Resolución No. 323 por la cual se reglamenta la pesca en los ríos y arroyos del territorio nacional.—5 de noviembre de 1960 (Resolution No. 323 regulating fishing in the rivers and streams within the national territory.—5 November 1960)

Fishing with explosives or toxic substances forbidden. Net fishing forbidden from 1 Nov. to the end of February.

F  
61-08706

**Philippines. Laws, Statutes, etc. (1960)**  
*Off. Gaz. Philippines, (47) : 7155*

Republic act No. 2675. An act making fertilizers available to fishpond owners or operators at reasonable prices, amending for the purpose section 1 of Republic act No. 1609. (H.N. 3974).—18 June 1960

Section 1 of act No. 1609 shall read: "It is hereby declared to be the national policy to encourage the more rapid expansion of agricultural production, and to increase farm productivity by making available to the farmers adequate fertilizers at reasonable prices. As used in this act, the term 'farmers' incl. fishpond owners or operators."

F  
61-08707

**Nyasaland. Laws, Statutes, etc. (1960)**  
*Nyasaland Govt Gaz., (57) : 297 of suppl.*

Government notice No. 165. Fishing (ring nets) temporary provisions rules, 1960, made under section 20 of the fisheries ordinance (cap. 139).—3 November 1960

Prohibits fishing with ring nets within the specified waters during the months of November and December 1960.

F  
61-08708

**Southern Rhodesia. Laws, Statutes, etc. (1960)**  
*S. Rhodesia Govt Gaz., suppl. (59) : 23 p.*

No. 44 of 1960. Fish conservation act, 1960: act to make further and better provision for the conservation of the indigenous fish of the colony and in regard to the introduction of fish into the waters of the colony and the conservation of such fish.

Repeals, partially or entirely, the following: Game and fish preservation act; game and fish preservation amendment act, 1947; general law amendment act, 1956; game and fish preservation amendment act, 1957. The new act deals with fishing reserves, controlled fishing areas, fish conservation areas, angling associations, fish conservation, permits, penalties, etc.

F  
61-08709

**Southern Rhodesia. Laws, Statutes, etc. (1960)**  
*S. Rhodesia Govt Gaz., suppl., (62) : 1 p.*

Southern Rhodesia government notice No. 490 of 1960. Proclamation No. 40 of 1960 under the fish conservation act, 1960, act 44/60.—19 December 1960

Ad 61-08708. Fixes entry into force of the said act at 1 Jan. 1961.

F

**Spain. Laws, Statutes, etc. (1960)**

61-08710

*Bol. ofic. Estado Spain*, (265) : 15296

Orden de 22 de octubre de 1960 por la que se modifica la base segunda de la de 16 de diciembre de 1953 (Order amending para. 2 of the order of 16 December 1953.—22 October 1960)

In respect of applications for permits to open vivaries for fish culture.

F

**Spain. Laws, Statutes, etc. (1960)**

61-08711

*Bol. ofic. Estado Spain*, (291) : 16703

Decreto 2236/1960, de 1 de diciembre, sobre creación del "Gabinete de Aplicaciones Nucleares a las Obras Públicas" en conexión con la Junta de Energía Nuclear (Decree No. 2236/1960, creating the Study Group for Nuclear Applications to Public Works in conjunction with the Nuclear Energy Board.—1 December 1960)

To study, *inter alia*, prevention of nuclear contamination of watercourses.

M

**Spain. Laws, Statutes, etc. (1960)**

61-08712

*Bol. ofic. Estado Spain*, (312) : 17840-1

Orden de 13 de diciembre de 1960 por la que se modifican las disposiciones en vigor sobre tiempo de embarque previo para la obtención del título de Patrón de Pesca de Altura (Order amending provisions in force governing time of service required for obtaining the title of deep-sea fishing master.—13 December 1960)

M

**Spain. Laws, Statutes, etc. (1960)**

61-08713

*Bol. ofic. Estado Spain*, (312) : 17841-2

Orden de 20 de diciembre de 1960 por la que se determinan las condiciones que han de exigirse para la obtención del título de Capitán de Pesca (Order prescribing required conditions for obtaining the title of fishing captain.—20 December 1960)

M

**Spain. Laws, Statutes, etc. (1961)**

61-08714

*Bol. ofic. Estado Spain*, (8) : 386

Orden de 2 de enero de 1961 por la que se dictan normas para la expedición de los títulos de patrones de pesca de altura y de patrones de pesca y arrastre de altura (Order prescribing rules for the grant of certificates of deep-sea fishing master and deep-sea fishing and dragging master.—2 January 1961)

Ad 61-08712.

M

**Spain. Laws, Statutes, etc. (1961)**

61-08715

*Bol. ofic. Estado Spain*, (24) : 1309-35

Orden de 16 de enero de 1961 por la que se aprueba la reglamentación nacional de trabajo en la industria de la pesca de arrastre (Order approving national labor regulations for the deep-sea fishing industry.—16 January 1961)

Very detailed regulations covering classification of personnel, definition of professional categories, licences, professional training, retributions, working hours, etc.

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MF  
61-08716

**Union of South Africa. Laws, Statutes, etc. (1960)**  
*Govt Gaz. S. Afr.*, (6602) : 15-6

No. 2134. Wet op reëling van uitvoer van bederfbare produkte, 1926. Heffings op bederfbare produkte. 30 Desember 1960 (G.N. No. 2134, on imposition of levies on perishable products, pursuant to section 16 of the perishable products export control act, 1926.—30 December 1960)

Incl. fish, shell-fish and crustaceans.

M  
61-08717

**South West Africa. Laws, Statutes, etc. (1960)**  
*Off. Gaz. S.W. Afr.*, (2279) : 1063

No. 206. Sardyne en maasbankers: maksimale hoeveelheid wat verwerk mag word. 15 Oktober 1960 (G.N. No. 206 on pilchards and maasbankers: maximum quantity permitted to be treated.—15 October 1960)

Fixes the maximum quantities that may be yearly treated in any one of 4 factories in the territory of S.W. Africa. Made pursuant to the sealing and fisheries ordinance of 1949, as amended.

M  
61-08718

**U.A.R. (Syria). Laws, Statutes, etc. (1960)**  
*Rec. Lois Législ. financ. U.A.R.*, (9) : 40-2

Arrêté portant publication de l'accord de commerce entre la République Arabe Unie et la République de Vietnam.—28 mars 1960 (J.O. No. 182, 14 août 1960, p. 1574) (Order publishing the trade agreement between the United Arab Republic and the Republic of Vietnam.—18 March 1960)

Imports incl. fish, fish oil, etc.

MF  
61-08719

**U.A.R. (Syria). Laws, Statutes, etc. (1960)**  
*Rec. Lois Législ. financ. U.A.R.*, (10) : 14-23

Arrêté N° 434 du 11 août 1960 fixant les professions et industries similaires ou connexes sur base desquelles doivent être constituées les syndicats des ouvriers et employés en application de l'article 1960 du code du travail. (Annexe du J.O. N° 35 du 1er septembre 1960, p. 5683) (Order No. 434, prescribing professions and similar or related industries for which workmen's and employees' trade unions must be established in application of article 160 of the labour code.—11 August 1960)

Activities concerned incl. fisheries.

MF  
61-08720

**U.A.R. (Syria). Laws, Statutes, etc. (1960)**  
*Rec. Lois Législ. financ. U.A.R.*, (10) : 31-2

Arrêté N° 34 du 11 octobre 1960 fixant la cotisation annuelle de l'assurance contre les accidents de travail des ouvriers pêcheurs, conformément aux dispositions du code des assurances sociales. loi N° 92 du 6 avril 1959. (J.O. N° 243 du 25 octobre 1960, p. 1825) (Order No. 34, fixing the annual premiums payable by fishermen for work accident insurance, pursuant to the provision of the welfare insurance code. Act No. 92 of 6 April 1959.—11 October 1960)

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**U.A.R. (Syria). Laws, Statutes, etc. (1960)** MF  
61-08721  
*Rec. Lois Législ. financ. U.A.R.*, (11) : 28-36

Arrêté N° 3285 bis du 23 octobre 1960 portant organisation de l'administration des ports et phares de la République Arabe Unie. (J.O. N° 261, 15 novembre 1960, p. 2031) (Order 3285 bis relative to the organization of the United Arab Republic harbours and lighthouses administration.—23 October 1960)

The administration incl. a fisheries and licences service responsible for the execution of acts, orders and regulations governing fishing.

**U.S. Laws, Statutes, etc. (1960)** MF  
61-08722  
*Fed. Reg. nat. Arch. U.S.*, 25 (213) : 10458

Code of federal regulations, title 50: wildlife—chapter 2: Bureau of Commercial Fisheries, Fish and Wildlife Service, Department of the Interior—subchapter F: aid to fisheries—part 255: fishing vessel mortgage insurance procedures; definition of "actual cost" of a vessel.—26 October 1960

**Venezuela. Laws, Statutes, etc. (1960)** M  
61-08723  
*Gac. ofic. Rep. Venezuela*, (26.430) : 196.007

Resolución Num. RNR-372 por la cual se fijan los tipos de patentes que regirán para la temporada de pesca de perlas que se iniciará el 1° de enero de 1961.—7 de diciembre de 1960 (Resolution No. RNR-372, prescribing types of permits required for the pearl-fishing season to open 1 January 1961.—7 December 1960)

**Venezuela. Laws, Statutes, etc. (1960)** M  
61-08724  
*Gac. ofic. Rep. Venezuela*, (26.430) : 196.007

Resolución Núm. RNR-373 por la cual se declara abierta la temporada de pesca de perlas.—7 de diciembre de 1960 (Resolution No. RNR-373, declaring the pearl-fishing season open)

1 Jan. 1961-30 Apr. 1961.

**Mohsen, T. (1961)** F  
61-08725  
*C.R. Acad. Sci., Paris*, 252 (21) : 3327-9

Sur la présence d'un organe copulateur interne, très évolué chez *Skiffia lermæ* (Cyprinodonte Goodeidae) (On the presence of a very developed internal copulatory organ in *Skiffia lermæ* (Cyprinodonta Goodeidae))

Description of organ.

**FAO. Fisheries Division (1961)** MF  
61-08726  
*World Fish. Abstr.*, 12 (2)

*Fr* and *Es* versions issued separately. Contains informative abstracts of: 60-6861, 61-00419, 61-02067, 61-02707, 61-04309, 61-06306, 61-07006, 61-07188, 61-08185, 61-08727 to 61-08789, and technological notes under headings: Detection of fish—echo sounding; Fish boxes and containers—non-metallic Fishing methods and gear—materials; Fishing methods and gear—traps; Food packaging materials—plastics, etc.; Meteorology (ocean currents); Seaweeds—chemical composition.



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61-08727  
*Biokhimiia* (*En. Transl.*), 24 (6) : 952-8  
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- U.K. MAFF** (1960) M  
66-08728  
*Lab. Leafl., Lowestoft*, (25) : 3 p.  
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51-08729  
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61-08730  
*Budown. Okretowe*, 5 (7) : 192-5  
 Trawler-przetwórnia "B-15" (Factory-trawler B-15)  
 WFA 12 (2) : 7.
- Anon.** (1960) X  
61-08731  
*Pêche marit.*, 39 (984) : 156-7  
 Le conditionnement sous vide des queues de langoustes à bord du langoustier-congélateur 'Françoise-Christine' (Vacuum packing lobster tails aboard the lobster fishing boat-freezer, 'Françoise-Christine')  
 WFA 12 (2) : 7.
- Kan, A. & E. Paylov** (1960) X  
61-08732  
*Quick Froz. Fds*, 23 (3) : 288-9  
 Whale meat freezing, transportation in the U.S.S.R.  
 WFA 12 (2) : 9.
- Anon.** (1960) M  
61-08733  
*Pacif. Fisherm.*, 58 (8) : 8-10  
 Research vessel is fitted for underwater observation of fish  
 WFA 12 (2) : 9.
- Anon.** (1960) M  
61-08734  
*Trade News*, 13 (4) : 13  
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 WFA 12 (2) : 9.

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*West. Fish.*, 60 (9) : 28, 30-1  
Unusual 33-ft. glass gillnetter building  
WFA 12 (2) : 11.
- M  
61-08736
- Anon.** (1960)  
*Pacif. Fisherm.*, 58 (8) : 25-7  
Converted 'Cape Falcon'  
WFA 12 (2) : 11.
- M  
61-08737
- Anon.** (1960)  
*Pacif. Fisherm.*, 28 (9) : 27-8  
SOP (Standard operating procedure) as revealed in 'Renown's' conversion  
WFA 12 (2) : 11.
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61-08738
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Fishroom insulation and refrigeration: some experiences on a modern trawler  
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*Pacif. Fisherm.*, 58 (7) : 29, 31-3  
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*Shipp. Shipp. Rec.*, 96 (20) : 642  
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61-08741
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*Trade News*, 13 (4) : 8-9, 15  
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WFA 12 (2) : 15.
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Electronic fishing line may revolutionise fishing  
WFA 12 (2) : 15.

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 List of staff, administrative report survey, finances, conferences, etc.; Fisheries Division report—administration and extension work. Statistical appendices give landings, nos. of vessels, engines and equipment.

**Kawai, K.** (1960)F  
61-09106*Biochim. biophys. Acta*, 43 (2) : 349-51

Cytochrome-like haemoproteins in the gut fluids of molluscs

"Enterochrome 566" in the Japanese mussels *Cristaria placata* and *Hyriopsis schlegelii*.**Leutelt, R.** (1960)F  
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München, 54 p.

Das weisse Blutbild des gesunden und an infektiöser Bauchwassersucht erkrankten Karpfens (*Cyprinus carpio* L.) (The white corpuscles of healthy carps and of carps sick with infectious dropsy)

Thesis, Ludwig-Maximilians Universität.

**Parrish, B. B.** (1960)M  
61-09108*Scotsman*, July 14 : 8

Closer collaboration in fishery conservation

**Sandeman, E. J.** (1960)M  
61-09109*Cruise Rep. biol. Sta., St. John's, Newfld.*, (27)

Research vessel A.T. 'Cameron'

From 19 Aug. 1960 to 2 Sep. 1960. Area of operation NE Newfoundland shelf. Defines purpose as to study the distribution and abundance of fish, especially cod and redfish, in relation to locality, depth and hydrography in the seaward slope of the Funk Island Deep, the shallower bank area between the Funk Island Deep and the edge of the continental shelf; the edge of the continental shelf.

**Sager, G.** (1959)M  
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Götha, Veb Hermann Haack, 251 p.

Ebbe und Flut (Ebb and flood)

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Description of a new regulation plan of the lake, which does not cause compensable damage to the shores.

**Saukko, P.** (1960)F  
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Satavuotias Höytiäinen—Järviemme kuopus (The baby among Finland's lakes—lake Höytiäinen 100 years old). En

Description of the results of the extensive lowering of lake level.



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 Talousvetenä käytetyn pohjaveden laatu Suomen maalaiskunnissa (Quality of the ground water drawn for household use in the rural communities in Finland). En
- Results of analyses of samples taken from different households, each one representing a rural population of 1000 persons and consisting of water intended for use as drinking water and for cooking on the day in question.
- USFWS. Bureau of Sport Fisheries & Wildlife** (1959) M  
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 Washington, D.C., 12 p.  
 A prospectus for marine game fish research
- Lists important marine game fish with descriptive notes on the importance of research; federal function in research; staff and facilities; and development of the research program.
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*G. Pesca*, 10 (19) : 5  
 Il parassita "argulus" infesta le nostre lagune (The parasite "argulus" infests our lagoons)
- Note on invasion of *Argulus* since 1957 in Laguna Veneta, parasitizing *Anguilla* and *Mugil*.

**Koo, T. S. Y. & H. D. Smith** (1960)

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*Spec. sci. Rep. U.S. Fish Wildl. Serv.*, (362) : 10 p.

Main-stem and tributary sampling of red salmon scales for population studies

Compares freshwater age composition of *Oncorhynchus nerka* by scale studies and discusses whether or not spawning ground sampling can represent the entire escapement.

**Thurrow, F.** (1960)

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*Fischerblatt*, 8 (11) : 226-9

Quantitative Fischerei in der westlichen Ostsee Ende Oktober 1960 (Quantitative fishery in the western Baltic Sea end of October 1960)

Reviews the results of experimental fishery for collections of data on fish stock distribution and size.

**Anon.** (1960)

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*Fischerblatt*, 8 (11) : 229-32

Färbungsversuche an Nordseegarnelen zur Markierung (Experiments of coloring the North Sea shrimp for tagging purpose)

Summary of results on laboratory experiment for coloring of shrimps.

**Hurme, S.** (1960)

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*Suom. Kalastusl.*, 67 (6) : 208-12

Maamme suuret järvet kalavesinä (The large lakes of our country as fishery waters)

Discussion on the problems of improving the fishery yields of large lakes in Finland.

**Lindroth, A.** (1960)

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*Svensk Fisk. Tidskr.*, 69 (11) : 145-7

Beräkning av tillväxten hos lax genom fjälläsning (Computation of growth of salmon from measurements of scales)

Description of the method with formulas.

**Hagelin, L.-O.** (1960)

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*Svensk Fisk. Tidskr.*, 69 (11) : 147-52

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General description of the life cycle of *Petromyzon fluviatilis* and observations in aquarium on spawning behaviour.

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 Review of herring races in the Baltic, size variations of different stocks and variations in spawning times.
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 Histological study of choroidal tapetum in eye of light- and dark-adapted specimens.
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*J. Mar. biol. Ass. U.K.*, 41 (2) : 279-86  
 Studies on *Ectocarpus* in culture—1. Introduction and methods of obtaining uni-algal and bacteria-free cultures  
 Details given of culture apparatus and methods found successful. A modification of plating technique. Washing, dilution, ultra-violet irradiation were unsuccessful in giving bacteria-free cultures, but treatment with penicillin gave bacteria-free cultures.

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 Numbers of eggs and planktonic stages of fish taken during a five-year period by the Scottish research vessels associated with presence of *Sagitta elegans* and *S. setosa*, and over an 11-year period with the presence or absence of *S. elegans*.
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 On the pigment of *Ianthina janthina* L.  
 Spectral absorption of violet pigment extracted from dried secretion by acetone is described. Not identical with bilidienne-proteins pigments of *Aplysia*, or with other violet molluscan pigments.
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 Detailed study of density and structure of cuttlebone.
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 The bottom fauna of the English Channel
- Anchor-dredge survey collections—especially molluscs and echinoderms—described for whole length of southern coast of England. Distribution and zonation. Fauna and station lists. Appendix note on identity of specimens of *Spisula* used by D. Atkins (1937) in work on ciliary mechanisms.
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 Studies on the biology of *Calanus finmarchicus*—12. The phosphorus cycle: excretion, egg production, autolysis
- Equilibrium of  $^{32}\text{P}$  throughout the body of *Calanus* is reached only after a feeding period of about a week. The time required to liberate by excretion the amount of P present in a *Calanus* is about 20 days. Fed *Calanus* excrete at a higher rate than starved. The implications of excretion in feeding experiments using  $^{32}\text{P}$  are discussed. Relation of excretion and autolysis to P cycle in sea is discussed.
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*J. Mar. biol. Ass. U.K.*, 41 (2) : 484-8  
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- Ad 61-09141. Mathematical analysis.
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- Comparative morphology of 12 spp. described. Systematic position of *Mysia undata* and evolution within the Veneracea are discussed.
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The larval decapod Crustacea of tropical West Africa
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Some new possibilities in civil underwater echo-ranging  
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Notes on systematics and morphology of some spp. of the genera *Niphargus*, *Rivulogammarus* and *Microcharon*; one sp. is newly described, *N. buturovici* n. sp.
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Contribution à l'étude de la faune d'Afghanistan 33: harpacticides (Crustacea, Copepoda) (Contribution to the knowledge of the fauna of Afghanistan 33: harpacticids)  
6 spp. of these copepods are treated, two of them new for science—*Bryocamptus borutzkyi* n. sp. and *Attheyella orientalis afghanica* n. sp.

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Životne zajednice na sedrenim slapovima rijeke Une i u brzicama pritoke Unda (Biocenosis on the travertine cataracts in the river Una and in the rapids of the affluent Unac)

The results of the ecological-biocenotic researches are given. The biocenotic relations have been investigated, predominantly for winter and summer periods of the year, on four different waterfalls of the Una as well as on a habitat of its right affluent Unac, central Yugoslavia.

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Neue und bemerkenswerte harpacticoida Ruderfusskrebse (Crust. Cop.) aus den Grundgewässern Jugoslawiens (New and important harpacticoids from subsoil waters of Yugoslavia)

Morphologic study of 6 spp. of these copepods, three of them are new for science.

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*Acta Mus. maced. Sci. nat.*, 6 (7) : 143-62

Beitrag zur Kenntnis der Niphargiden Bulgariens (Contribution to the knowledge of Niphargidae from Bulgaria)

From 5 sp. and sub-spp. studied, four are newly described, as well as new subgenus *Carpathoniphargus*.

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The data on transparency, temperature, salinity and density of sea water are given for three stations in the northern Adriatic, for the years 1957-59.



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The influence of geomorphological, hydrophysical and biological factors on the granulometric selection of sediments was surveyed.

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Ronjenje kao metoda istraživanja mora (Diving as the method of sea research)

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The ontogenetic development, growth and ecology of this sp. are discussed.
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List of the Slovenian fresh-water copepods belonging to the families Diaptomidae, Temoridae and Cyclopidae, with find-spots for each sp. separately.
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Note on systematics, morphology and ecology of the females of *Cancerilla tubulata*.
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To the time being 80 spp. of echinoderms are reported from Adriatic, but the presence of some spp. is uncertain. The bathymetrical distribution of all Adriatic echinoderms is discussed.
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Comments based on knowledge of fishes acquired since the publication of "Origin of Species".

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The rate of uptake of  $Zn^{65}$  from sea water and the primary production of 6 spp. of marine benthic algae were measured in light and dark bottles suspended in an aquarium under constant light and temperature, and 1 sp., *Chaetomorpha linum*, also in bottles suspended at different depths in a marine pond.

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Isolation of yeasts from Biscayne Bay, Florida and adjacent benthic areas

Investigations of the yeasts have indicated the occurrence of various yeast taxa, representing 179 isolates. 2 asporogenous spp., *Candida tropicalis* and *Rhodotorula mucilaginosa*, were the most abundant and widely distributed spp. in the Bay.

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Phytoplankton communities of western lake Erie and the CO<sub>2</sub> and O<sub>2</sub> changes associated with them

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Analyses of data on abundance, growth and food of young of *Perca flavescens*, *Micropterus salmoides*, *Lepomis macrochirus*, *L. gibbosus*, *Pomoxis nigromaculatus*, *Ictalurus melas*, *Stizostedion vitreum*, *Roccus chrysops*, *R. mississippiensis*, *Esox lucius*, *Ictalurus punctatus*, *I. nebulosus*, *Micropterus dolomieu* and *Pomoxis annularis*.

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Relationship of fish size and water velocity to the fish guiding effectiveness of a single-row electrode array

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Growth and adult life-span estimated from tagging experiments in Plum Island Sound, Mass.

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- Kellogg, W. N.** (1960) M  
61-09427  
*Psychol. Rec.*, 10 : 25-7  
 Auditory scanning in the dolphin

PA 34 (5) 7060. Swimming toward underwater target *Tursiops tursiops* oscillates head frequently through 10° arc, producing an emission of trains of auditory signals. Locating target interpreted as combination of echolocation and binaural localization.

- Anon.** (1961) MF  
61-09428  
*Bol. Belgolux-bras.*, 36 (1) : 22-4  
 La pêche au Brésil (Fisheries in Brazil)

TA 16 (5) i1304. Reviews activities of Fisheries Division of the Ministry of Agriculture, a well organized and equipped concern, and a number of institutes and schools. The sanitary inspection, commercial classification and distribution of catches; modernization of the fishing fleet, geographical survey of fisheries in the waters of Rio Grande do Sul, Santa Catarina and São Paulo, Rio de Janeiro, Bahia, the northeast and Maranhão.

- Collart, A.** (1960) F  
61-09429  
*Bull. Agric. Congo*, 41 (4) : 975-85

L'introduction du *Stolothrissa tanganyicae* (Ndagala) au Lac-Kivu (The introduction of *Stolothrissa tanganyicae* into lake Kivu)

TA 16 (5) i1305. Describes methods of catching and transport of the sp.

- Anon.** (1961) M  
61-09430  
*Andean Air Mail*, 21 (1050) : 8  
 Ecuador turning to sea resources

TA 16 (5) i1306. Discusses Ecuador's interest in exploiting her marine resources. With aid from the US Special Fund the Government began a 4-year project for the establishment of a National Fishery Institute. The institute aims to foster economic development through a substantial expansion of fishing.

- Australia. Laws, Statutes, etc.** (1961) M  
61-09431  
*Commonw. Aust. Gaz.*, (10) : 448

Notice under the pearl fisheries act, 1952-1953, section 9, relating to removal of live pearl shell, trochus, bêche-de-mer and green snail.—24 January 1961

Prohibits the removal of the said sea products except by persons specially authorized, using prescribed instruments and in specified waters.

## REFERENCES

MF  
61-09432

**New South Wales. Laws, Statutes, etc. (1960)**  
Act No. 31 of 1908, 141 p.

Pure food act 1908-1958, as amended, and regulations thereunder; an act for securing the wholesomeness and purity of food and drugs, and fixing standards for the same; for preventing the sale or other disposition, or the use of articles dangerous or injurious to health; for the prevention of deception and fraud; to amend the public health act, 1902; and for purposes consequent thereon or incidental thereto.—Certified: 26 July 1960

NE 1908 New South Wales. Laws, Statutes, etc. Repeals and replaces all the previous regulations made under the said act. Covers also fish and fish products.

MF  
61-09433

**New South Wales. Laws, Statutes, etc. (1961)**  
*Govt Gaz. N.S.W.*, (13) : 307

Proclamation made under the fisheries and oyster farms act, 1935, as amended, relating to the whole of the water of Cuttage Lake, County of Dampier.—4 January 1961

Prohibits the taking of fish by means of hauling nets as prescribed, in the specified tidal waters, from 1 May 1961 to 30 Aug. 1966.

F  
61-09434

**New South Wales. Laws, Statutes, etc. (1961)**  
*Govt Gaz. N.S.W.*, (20) : 449

Closure notification under the fisheries and oyster farms act, 1935-1960, relating to a portion of the waters of Campbell's River, Counties of Bathurst, Westmoreland and Roxburgh.—9 February 1961

Prohibits the taking of fish by all methods, in the specified inland waters, from 1 Mar. 1961 to 28 Feb. 1962.

MF  
61-09435

**South Australia. Laws, Statutes, etc. (1959)**  
Separate publ., 15 p.

Amendment of regulations under the food and drugs act, 1908-1954.—10 September 1959

New reg. 40 (17) on canned fish products.

M  
61-09436

**Tasmania. Laws, Statutes, etc. (1960)**  
*Stat. Rules Tasm.*, (144)

Sea fisheries amendment regulations (No. 2) 1960.—11 October 1960

Amendment to the sea fisheries regulations 1957 relates to restrictions on the taking of crayfish and to minimum sizes of certain kinds of fish that may be taken.

**Victoria. Laws, Statutes, etc.** (1960) MF  
61-09437  
*Govt Gaz. Victoria*, extr. (45) : 7 p.

The amending food and drug standards regulations 1959 (No. 1): regulations relating to foods, drugs, substances, and methods of analysis, made pursuant to the health act, 1958.—17 May 1960

Extensive amendments, relating to fish paste and canned fish products, labelling contents, etc.

**Western Australia. Laws, Statutes, etc.** (1961) M  
61-09438  
*Govt Gaz. W. Aust.*, (7) : 153-4

Proclamation made under the fisheries act 1905-1960.—18 January 1961

Ad 61-08665. Prescribes size and mesh of prawn nets to be used in the specified waters during the currency of the said proclamation. Amends proclamation of 17 Nov. 1960 on the same subject.

**Western Australia. Laws, Statutes, etc.** (1961) M  
61-09439  
*Govt Gaz. W. Aust.*, (16) : 447

Proclamation made under the fisheries act, 1905-1960.—2 February 1961

Prohibits, for a period of 5 years, all persons from taking fish in Shark Bay by means of fish traps.

**Western Australia. Laws, Statutes, etc.** (1961) F  
61-09440  
*Govt Gaz. W. Aust.*, (15) : 431

Regulations made under the fisheries act, 1905-1960.—6 February 1961

Amends the fisheries act regulations published in the *Govt Gaz.* of 6 May 1938, as amended. The modifications concern length of crayfish and labelling of receptacles containing fish.

**Canada. Laws, Statutes, etc.** (1960) M  
61-09441  
*Can. Gazette (II)*, (22) : 1426

Statutory orders and regulations 60-507. Order in council P.C. 1960-1505 amending the New Brunswick fishery regulations, made under the fisheries act.—3 November 1960

The amendment concerns pollock fishing by means of a purse-seine.

**Canada. Laws, Statutes, etc.** (1960) M  
61-09442  
*Can. Gazette (II)*, (22) : 1474

Décrets, ordonnances et règlements statutaires 60-507. Arrêté C.P. 1960-1505 modifiant le règlement de pêche du Nouveau-Brunswick en vertu de la loi sur les pêcheries.—3 novembre 1960 (Statutory orders and regulations 60-507. Order in council P.C. 1960-1505 amending the New Brunswick fishery regulations, made under the fisheries act.—3 November 1960)

*Fr* 61-09441.

# REFERENCES

**Canada. Laws, Statutes, etc. (1960)** MF  
61-09443  
*Can. Gazette (II)*, (22) : 1427

SOR/60-508. Order in council P.C. 1960-1506 to amend the Nova Scotia fishery regulations made under the fisheries act.—3 November 1960

For the year 1960 only. Eels may be taken in any river in Lunenburg County and Queen's County, by means of brush weirs or eel traps but by no other method from 15 Aug. to 20 Nov., both days incl.

**Canada. Laws, Statutes, etc. (1960)** F  
61-09444  
*Can. Gazette (II)*, (22) : 1475

DORS/60-508. Arrêté C.P. 1960-1506 modifiant le règlement de pêche de la Nouvelle-Écosse, en vertu de la loi sur les pêcheries.—3 novembre 1960 (SOR/60-508. Order in council P.C. 1960-1506 to amend the Nova Scotia fishery regulations made under the fisheries act.—3 November 1960)

Fr 61-09443.

**Canada. Laws, Statutes, etc. (1960)** M  
61-09445  
*Can. Gazette (II)*, (22) : 1441

SOR/60-513. Order in council P.C. 1960-1537 to amend the lobster fishery regulations made under the fisheries act.—10 November 1960

The holder of a licence issued for lobster fishery district No. 1 or 2 may fish in either or both districts from 15 Nov. 1960 to 24 Jun. 1961.

**Canada. Laws, Statutes, etc. (1960)** M  
61-09446  
*Can. Gazette (II)*, (22) : 1489

DORS/60-513. Arrêté C.P. 1960-1537 modifiant le règlement de pêche du homard en vertu de la loi sur les pêcheries.—10 novembre 1960 (SOR/60-513. Order in council P.C. 1960-1537 to amend the lobster fishery regulations made under the fisheries act.—10 November 1960)

Fr 61-09445.

**Canada. Laws, Statutes, etc. (1960)** M  
61-09447  
*Can. Gazette (II)*, (23) : 1509

SOR/60-547. Shellfishing order, pursuant to the New Brunswick fishery regulations made under the fisheries act.—16 November 1960

Re-opens, for the taking of clams for the purpose of canning, shellfish areas closed by order of 15 Jul. 1960

**Canada. Laws, Statutes, etc. (1960)** M  
61-09448  
*Can. Gazette (II)*, (23) : 1560

DORS/60-547. Avis relatif à la pêche aux coquillages en vertu du règlement de pêche du Nouveau-Brunswick, selon la loi sur les pêcheries.—16 novembre 1960 (SOR/60-547. Shellfishing order, pursuant to the New Brunswick fishery regulations made under the fisheries act.—16 November 1960)

Fr 61-09447. Ad 61-05800.

F

**Canada. Laws, Statutes, etc. (1960)**

61-09449

*Can. Gazette (II)*, (23) : 1455

SOR/60-526. Order in council P.C. 1960-1559 amending the Ontario fishery regulations pursuant to the fisheries act.—17 November, 1960

Revokes provisions relative to Lake Erie gill-net, pound-net and trap-net licences.

F

**Canada. Laws, Statutes, etc. (1960)**

61-09450

*Can. Gazette (II)*, (23) : 1505

DORS/60-526. Arrêté C.P. 1960-1559 modifiant le règlement de pêche de l'Ontario en vertu de la loi sur les pêcheries.—17 novembre 1960 (SOR/60-526. Order in council P.C. 1960-1559 amending the Ontario fishery regulations pursuant to the fisheries act.—17 November 1960)

Fr 61-09449.

MF

**Canada. Laws, Statutes, etc. (1960)**

61-09451

*Can. Gazette (II)*, (24) : 1519

SOR/60-554. Order in council P.C. 1960-1666 amending the New Brunswick fishery regulations made under the fisheries act.—8 December 1960

Revokes provision relative to smelt gill-net fishing in certain waters of the County of Kent.

MF

**Canada. Laws, Statutes, etc. (1960)**

61-09452

*Can. Gazette (II)*, (24) : 1571

DORS/60-554. Arrêté C.P. 1960-1666 modifiant le règlement de pêche du Nouveau-Brunswick selon la loi sur les pêcheries.—8 décembre 1960 (SOR/60-554. Order in council P.C. 1960-1666 amending the New Brunswick fishery regulations made under the fisheries act.—8 December 1960)

Fr 61-09451.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09453

*Can. Gazette (II)*, (3) : 164-6

SOR/61-39. Order in council P.C. 1961-100, made under the customs act, relating to tariff treatment—duties reduced on certain goods.—26 January 1961

Such goods incl. frozen tuna loins for use in the manufacture of canned tuna.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09454

*Can. Gazette (II)*, (3) : 168-70

DORS/61-39. Arrêté C.P. 1961-100, selon la loi sur les douanes, relatif au régime tarifaire—Droits réduits à l'égard de certaines marchandises.—26 janvier 1961 (SOR/61-39. Order in council P.C. 1961-100, made under the customs act, relating to tariff treatment, duties reduced on certain goods.—26 January 1961)

Fr 61-09453.

## REFERENCES

MF  
61-09455

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (3) : 167-8

SOR/61-40. Order in council P.C. 1961-101 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—26 January 1961

Concerns labelling and marking.

MF  
61-09456

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (3) : 171-2

DORS/61-40. Arrêté C.P. 1961-101 modifiant le règlement visant l'inspection des conserveries et des conserves de poisson, mollusques et crustacés en vertu de la loi sur les viandes et conserves alimentaires.—26 janvier 1961 (SOR/61-40. Order in council P.C. 1961-101 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—26 January 1961)

*Fr* 61-09455.

M  
61-09457

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 184

SOR/61-51. Order in council P.C. 1961-127, amending the British Columbia fishery regulations made under the fisheries act.—2 February 1961

For the year 1961 only herring may be taken by means of purse-seine or trawl-nets in the waters of the lower east coast of Vancouver Island sub-district during the closed season but no herring shall be taken for reduction purposes.

M  
61-09458

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 188

DORS/61-51. Arrêté C.P. 1961-127 modifiant le règlement de pêche de la Colombie-Britannique en vertu de la loi sur les pêcheries.—2 février 1961 (SOR/61-51. Order in council P.C. 1961-127, amending the British Columbia fishery regulations made under the fisheries act.—2 February 1961)

*Fr* 61-09457.

MF  
61-09459

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 185-8

SOR/61-52. Order in council P.C. 1961-128 amending the Ontario fishery regulations pursuant to the fisheries act.—2 February 1961

Amendments in respect of bag limits, closed seasons, methods of taking fish, etc.

**Canada. Laws, Statutes, etc.** (1961) MF  
61-09460  
*Can. Gazette (II)*, (4) : 189-92

DORS/61-52. Arrêté C.P. 1961-128 modifiant le règlement de pêche de l'Ontario en vertu de la loi sur les pêcheries.—2 février 1961 (SOR/61-52. Order in council P.C. 1961-128 amending the Ontario fishery regulations pursuant to the fisheries act.—2 February 1961)

Fr 61-09459.

**Canada. Laws, Statutes, etc.** (1961) MF  
61-09461  
*Can. Gazette (II)*, (4) : 189

SOR/61-53. Order in council P.C. 1961-129, amending the New Brunswick fishery regulations pursuant to the fisheries act.—2 February 1961

Amendments with respect to contaminated areas where no person shall fish for or take shellfish for use as a raw food.

**Canada. Laws, Statutes, etc.** (1961) MF  
61-09462  
*Can. Gazette (II)*, (4) : 193

DORS/61-53. Arrêté C.P. 1961-129 modifiant le règlement de pêche du Nouveau-Brunswick en vertu de la loi sur les pêcheries.—2 février 1961 (SOR/61-53. Order in council P.C. 1961-129, amending the New Brunswick fishery regulations pursuant to the fisheries act.—2 February 1961)

Fr 61-09461.

**Canada. Laws, Statutes, etc.** (1961) MF  
61-09463  
*Can. Gazette (II)*, (4) : 190

SOR/61-54. Order in council P.C. 1961-130 amending the Nova Scotia fishery regulations pursuant to the fisheries act.—2 February 1961

Amendments in respect of contaminated areas where fishing for or taking shellfish is restricted or prohibited.

**Canada. Laws, Statutes, etc.** (1961) MF  
61-09464  
*Can. Gazette (II)*, (4) : 194

DORS/61-54. Arrêté C.P. 1961-130 modifiant le règlement de pêche de la Nouvelle-Écosse en vertu de la loi sur les pêcheries.—2 février 1961 (SOR/61-54. Order in council P.C. 1961-130 amending the Nova Scotia fishery regulations pursuant to the fisheries act.—2 February 1961)

Fr 61-09463.

**Canada. Laws, Statutes, etc.** (1961) M  
61-09465  
*Can. Gazette (II)*, (4) : 191

SOR/61-55. Order in council P.C. 1961-131 amending the coastal fisheries protection regulations made under the coastal fisheries protection act.—2 February 1961

Description of the signal requiring a fishing vessel to bring to.



## REFERENCES

- M  
61-09466
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 195  
 DORS/61-55. Arrêté C.P. 1961-131 modifiant le règlement sur la protection des pêcheries côtières en vertu de la loi sur la protection des pêcheries côtières.—2 février 1961 (SOR/61-55. Order in council P.C. 1961-131 amending the coastal fisheries protection regulations made under the coastal fisheries protection act.—2 February 1961)  
*Fr* 61-09465.
- M  
61-09467
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 231  
 SOR/61-60. Order in council P.C. 1961-164 amending the seal protection regulations made under the fisheries act.—9 February 1961  
 Addition of two areas where killing or taking seals is restricted.
- M  
61-09468
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 235  
 DORS/61-60. Arrêté C.P. 1961-164 modifiant le règlement pour la protection des phoques en vertu de la loi sur les pêcheries.—9 février 1961 (SOR/61-60. Order in council P.C. 1961-164 amending the seal protection regulations made under the fisheries act.—9 February 1961)  
*Fr* 61-09467.
- F  
61-09469
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 232-3  
 SOR/61-61. Order in council P.C. 1961-165 amending the Alberta fishery regulations made under the fisheries act.—9 February 1961  
 Amendments in respect of angling, propagation of fish, etc.
- F  
61-09470
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 236-7  
 DORS/61-61. Arrêté C.P. 1961-165 modifiant le règlement de pêche de l'Alberta en vertu de la loi sur les pêcheries.—9 février 1961 (SOR/61-61. Order in council P.C. 1961-165 amending the Alberta fishery regulations made under the fisheries act.—9 February 1961)  
*Fr* 61-09469.
- M  
61-09471
- Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (4) : 234  
 SOR/61-62. Order in council P.C. 1961-166, amending the British Columbia fishery regulations made under the fisheries act.—9 February 1961  
 Increases for 1961 the bag limit of herring in the northern sub-district of district No. 2—area extending from Cape Caution to the northerly boundary of the province.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09472

*Can. Gazette (II)*, (4) : 238

DORS/61-62. Arrêté C.P. 1961-166 modifiant le règlement de pêche de la Colombie-Britannique en vertu de la loi sur les pêcheries.—9 février 1961 (SOR/61-62. Order in council P.C. 1961-166, amending the British Columbia fishery regulations made under the fisheries act.—9 February 1961)

*Fr* 61-09471.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09473

*Can. Gazette (II)*, 4 : 235

SOR/61-63. Order in council P.C. 1961-167 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—9 February 1961

New section 9A on labelling of cans of lobster, tomalley or lobster paste.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09474

*Can. Gazette (II)*, (4) : 239

DORS/61-63. Arrêté C.P. 1961-167 modifiant le règlement visant l'inspection des conserveries et des conserves de poisson, mollusques et crustacés en vertu de la loi sur les viandes et conserves alimentaires.—9 février 1961 (SOR/61-63. Order in council P.C. 1961-167 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—9 February 1961)

*Fr* 61-09473.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-09475

*Can. Gazette (II)*, (5) : 280 p.

SOR/61-76. Order P.C. 1961-244, amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—23 February 1961

Amendment relating to labelling or marking of cans.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-09476

*Can. Gazette (II)*, (5) : 286

DORS/61-76. Arrêté C.P. 1961-244 modifiant le règlement visant l'inspection des conserveries et des conserves de poisson, mollusques et crustacés en vertu de la loi sur les viandes et conserves alimentaires.—23 février 1961 (SOR/61-76. Order P.C. 1961-244, amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—23 February 1961)

*Fr* 61-09475.

## REFERENCES

### **Quebec. Laws, Statutes, etc. (1960)**

MF  
61-09477

*Statutes, Que.*, 8-9 eliz. II, 1959-60, chapt. 74 : 347

Loi modifiant la loi du département des pêcheries.—10 mars 1960 (An act to amend the fisheries department act.—10 March 1960)

The Minister of Fisheries is authorized to make advance or loans to fishermen or to societies trading in fish, for the construction, repair or purchase of fishing-boats.

### **Chile. Laws, Statutes, etc. (1960)**

MF  
61-09478

*Diario ofic. Chile*, (24,778) : 2014-28

Ley Núm. 14,171, por la que se cambia el nombre al Ministerio de Economía, modifican las leyes que indica, se establecen y aumentan los impuestos que señala, conceden al Presidente de la República las facultades que menciona y se dispone coordinar la inversión de los recursos fiscales como también los recursos de las instituciones semifiscales de administración autónoma y empresas del Estado orientándolos hacia los fines de reconstrucción y fomento de la producción. 24 de octubre de 1960 (Act No. 14.171, changing the name of the Ministry of Economy; amending certain enactments; establishing or increasing certain taxes; granting the President of the Republic certain powers; and providing for the coordination of expenditures of Government funds and of semi-public funds of autonomous agencies and State enterprises, orienting the same for the purposes of reconstruction and development of reconstruction.—24 October 1960)

Title 9 contains economic development measures, incl. (art. 134) a special five-year fisheries development plan.

### **Colombia. Laws, Statutes, etc. (1960)**

MF  
61-09479

*Diario ofic. Colombia*, (30324) : 594

Decreto Núm. 2059 de 31 de agosto de 1960 por el cual se adiciona el decreto Núm. 469 de 1960, reglamentario de la ley 26 de 1959 (Decree No. 2059, supplementing decree No. 469 of 1960, regulating application of act No. 26 of 1959.—31 August 1960)

In respect of farm and fisheries credit. Repayment may be postponed under certain conditions.

### **Denmark. Laws, Statutes, etc. (1960)**

MF  
61-09480

*Lovtidende A*, (30) : 1374

Nr. 371. Bekendtgørelse om salg af rogede fisk og fiskevarer fra frugt og grøntforretninger m.v.—28 oktober 1960 (Order No. 371 relative to the sale of smoked fish and fisheries products at shops selling fruit and vegetables, etc.—28 October 1960)

Stipulates conditions governing sales as above, infractions of which are subject to penalty under the act No. 50 of 11 May. 1954 relative to quality control of fish and fisheries products.

M

**Denmark. Laws, Statutes, etc. (1960)**

61-09481

*Lovtidende A*, (34) : 1508-9

Bekendtgørelse Nr. 408 om oppustelige flåder i fiskeskibe.—22 december 1960 (Order No. 408 relative to inflatable floating rafts on fishing craft.—22 December 1960)

Provides detailed specifications regarding type, quality, dimensions, etc. of such rafts which are compulsory equipment for every crew member on Danish fishing vessels between 20 and 150 tons and fishing craft of less than 20 tons plying the North Sea west of 6° longitude. Special further provisions apply to vessels between 150 and 500 tons, and over 500 tons respectively.

F

**Finland. Laws, Statutes, etc. (1960)**

61-09482

*Finlands FörfattnSaml.*, (170-177); 436

Förordning N:o 171 om bringande i kraft av protokollet om ändrad lydelse av den genom deklarationen den 10 maj 1927 mellan Finland och Sverige fastställda stadgan för fiskets bedrivande inom Torne älvs fiskeområde.—1 april 1960 (Decree No. 171 relative to the bringing into force of the protocol amending the regulation governing fishing in the fisheries area of the Torne River established by the declaration of 10 May 1927 between Finland and Sweden.—1 April 1960)

This decree ratifies the agreement with the amendment to clause 3 of Section 6 of the regulation aforesaid.

M

**Finland. Laws, Statutes, etc. (1960)**

61-09483

*Finlands FörfattnSaml.*, (183-189) : 459

Lag N:o 183 angående ändring av 2 § lagen om fiske.—13 april 1960 (Act No. 183 amending article 2 of the fisheries act.—13 April 1960)

All Finnish citizens are entitled to engage in maritime fishing at sea outside the boundaries villages, in coastal waters and off islands belonging to the State. Fishing for household consumption or sport purposes is also permitted for citizens of Iceland, Norway, Sweden and Denmark.

F

**Finland. Laws, Statutes, etc. (1960)**

61-09484

*Finlands FörfattnSaml.*, (287-295) : 857

Lantbruksministeriets beslut N:o 295 om handel med undermålig sik från Enare träsk.—17 juni 1960 (Resolution No. 295 of the Ministry of Agriculture relative to trade in white fish of substandard dimensions from Enare marshes).—17 June 1960

Permits sale of such fish subject to its being specially marked.

F

**France. Laws, Statutes, etc. (1961)**

61-09485

*J. off. Rép. franç.*, (42) : 1824

Arrêté du 11 février 1961 portant interdiction de l'exercice de toute espèce de pêche dans la partie maritime des rivières de Penzé et du Dossen ou rivière de Morlaix (Order prohibiting any type of fishing in the maritime sectors of the Penzé and Dossen rivers or Morlaix River.—11 February 1961)

Until 31 Dec. 1966.

# REFERENCES

- Ghana. Laws, Statutes, etc. (1961)** MF 61-09486  
 Act 43 of 1961, separate publ. of 9 p. The wild animals preservation act, 1961: an act to consolidate and amend the law relating to wild animals, birds and fish and to continue the observance of the convention signed at London on the 19th day of May, 1900.—22 March 1961

Extensive provisions.

- Guatemala. Laws, Statutes, etc. (1960)** M 61-09487  
*Guatemalteco*, (67) : 601

Decreto Núm. 1412 por el cual se establecen sanciones adecuadas a quienes, sin cumplir con los requisitos que establecen las leyes en vigor, exploten las riquezas marítimas de las aguas territoriales de la República.—7 de diciembre de 1960 (Legislative decree No. 1412, establishing adequate penalties for persons who, without complying with legal requirements, exploit the maritime resources of the territorial waters of the Republic.—7 December 1960)

Fines for owners and personnel; confiscation of catch.

- West Bengal. Laws, Statutes, etc. (1960)** M 61-09488  
*Calcutta Gaz.*, (43) : 3302-4

Resolution No. 7987/6M-6/60 constituting the West Bengal Deep Sea Fishing Board for running the deep sea fishing scheme.—22 September 1960

To look after all aspects of developments of deep sea fishing in the State of West Bengal in order to augment the supply of fish and to introduce a new industry in the country.

- Ireland. Laws, Statutes, etc. (1959)** M 61-09489  
*Stat. Instr. Ire.*, (212) : 9 p.

Imposition of duties (no. 83) (fats and oils) order, 1959.—4 December 1959

Revokes the customs duties on refined fish and marine animal oils and fats and imposes in lieu a new composite and extended duty of 50% (full) 33½% (preferential—UK and Canada) *ad valorem* on such oils and fats.

- Ireland. Laws, Statutes, etc. (1960)** M 61-09490  
*Stat. Instr. Ire.*, (3) : 3 p.

Sea fisheries act, 1952—commencement—(N.3) order, 1960.—5 January 1960

This order fixes 18 Jan. 1960, as the day on which certain statutory provisions for the regulation of sea-fishing come into operation incl. provisions for the licensing of fishing vessels exceeding the overall length of 75 feet prescribed by S.I. No. 4 of 1960.

M

**Ireland. Laws, Statutes, etc. (1960)**

61-09491

*Stat. Instr. Ire.*, (4) : 5 p.

Licensing of sea-fishing vessels regulations, 1960.—5 January 1960

No vessel, exceeding 75 feet over all in length, shall be used for sea-fishing except under licence.

F

**Ireland. Laws, Statutes, etc. (1960)**

61-09492

*Stat. Instr. Ire.*, (164) : 5 p

Fishing weir operation (No. 4) order, 1960. 4 August 1960

Authorizes the electricity supply board to operate without a free gap the fishing weir known as Cathleen's Fall Weir, Ballyshannon, subject to the conditions specified.

F

**Ireland. Laws, Statutes, etc. (1961)**

61-09493

*Iris Oifigiúil*, (19) : 271

Foyle area (restriction of netting) regulations, 1961.—20 February 1961

Replaces the Foyle area—restriction of netting—regulations, 1953.

F

**Ireland. Laws, Statutes, etc. (1961)**

61-09494

*Iris Oifigiúil*, (19) : 272

Foyle area (Rivers Finn and Foyle) (close season for angling) regulations, 1961.—20 February 1961

Replaces the Foyle area (Rivers Finn and Foyle) (close season for angling) regulations, 1956.

MF

**Madagascar. Laws, Statutes, etc. (1960)**

61-09495

*J. off. Rép. malgache*, (144) : 37-8

Décret n° 60-486 du 8 décembre 1960 portant organisation du Ministère de l'Agriculture et du Paysannat (Decree No. 60-486 relative to the organization of the Ministry of Agriculture and Rural Population.—8 December 1960)

Consisting of: the general secretariat; the services for: agricultural extension and rural population; livestock, sea fisheries and animal industries; waters and forests and soil conservation; rural engineering and agricultural water supply—the office for rural improvement.

MF

**Madagascar. Laws, Statutes, etc. (1961)**

61-09496

*J. off. Rép. malgache*, (153) : 368-9

Décret n° 61-078 du 8 février 1961 fixant les modalités d'application de l'ordonnance n° 60-128 du 3 octobre 1960 (Decree No. 61-073 fixing conditions for the application of ordinance No. 60-128 of 3 October 1960.—8 February 1961)

Ad 61-05843. Extending to various officials competence for administering penalties for infractions of the hunting, fishing and wildlife protection legislation.

## REFERENCES

**Madagascar. Laws, Statutes, etc. (1961)**

MF  
61-09497

*J. off. Rép. malgache*, (154) : 393-4

Décret n° 61-088 du 16 février 1961 fixant la destination à donner aux oiseaux, animaux ou poissons saisis à la suite d'infraction à la réglementation de la pêche de la chasse et de la protection de la faune (Decree No. 61-088, providing for the disposal of birds, animals or fish, confiscated in consequence of infractions of the fishing, hunting and wildlife protection regulations.—16 February 1961)

1—Live (a) if protected spp., sent to scientific research institutes, (b) if game, freed in appropriate surroundings; 2—Dead (a) if fit for consumption, given to hospitals or prisons; (b) if unfit for human consumption, buried by the offender, safeguarding public health requirements.

**Madagascar. Laws, Statutes, etc. (1961)**

F  
61-09498

*J. off. Rép. malgache*, (154) : 394

Décret n° 61-091 du 16 février 1961, réglementant les conditions d'octroi de permis scientifiques de pêche dans les eaux du domaine public ou privé d'État (Decree No. 61-091 fixing conditions governing the granting of scientific fishing permits in the waters of State-owned public or private land.—16 February 1961)

Requests shall specify the motives, the number of each sp. to be taken, the waters and methods of fishing etc.

**Madagascar. Laws, Statutes, etc. (1961)**

F  
61-09499

*J. off. Rép. malgache*, (154) : 394

Décret n° 61-092 du 16 février 1961, réglementant les mesures à observer pour la protection des peuplements piscicoles en eaux libres (Decree No. 61-092 prescribing measures to be respected in order to protect fish in free waters.—16 February 1961)

Disposal of any substances and construction of any dam are subject to authorization.

**Madagascar. Laws, Statutes, etc. (1961)**

MF  
61-09500

*J. off. Rép. malgache*, (154) : 394-6

Décret n° 61-093 du 16 février 1961 portant application de l'ordonnance n° 60-126 du 3 octobre fixant le régime de la chasse, de la pêche et de la protection de la faune (articles 12, 13, 17 et 22) (Decree No. 61-093 for the application of ordinance No. 60-126 of 3 October 1960, fixing regulations for hunting, fishing and wildlife protection—articles 12, 13, 17 and 22. 16 February 1961)

Ad 61-05841. Extensive regulations.

**Madagascar. Laws, Statutes, etc. (1961)**

F  
61-09501

*J. off. Rép. malgache*, (154) : 396

Décret n° 61-094 du 16 février 1961 réglementant les modes et conditions d'amodiation du droit de pêche dans les eaux du domaine public ou privé de l'État (Decree No. 61-094 prescribing procedures and conditions for the leasing of fishing rights in the waters of State-owned public or private land.—16 February 1961)

- Federation of Malaya. Laws, Statutes, etc. (1960)** MF  
61-09502  
*Fed. Malaya Govt Gaz.*, (29), Legislative Suppl. (59) : 594-9  
L.N. 338. Customs duties—amendment—(N.5) order, 1960 made under the customs ordinance, 1952.—22 December 1960

Amends schedule to the customs duties order, 1959, incl. *inter alia*, fish, boiled or steamed slightly salted fish, etc.

- Mexico. Laws, Statutes, etc. (1960)** MF  
61-09503  
*Diario ofc. México*, (38) : 2

Decreto que modifica la tarifa de impuesto general de exportación—ostiones en su concha, peces vivos para alimentación, ranas vivas y otros artículos—12 de julio de 1960 (Decree amending the general export tariff—unshelled oysters, live fish for food, live frogs, etc.—12 July 1960)

Incl. by enumeration of fresh, chilled or frozen sea foods. Takes effect 17 Dec. 1960.

- Morocco. Laws, Statutes, etc. (1961)** M  
61-09504  
*Bull. off. Emp. chérif.*, (2522) : 285-6, 309-10

Dahir n° 1-58-106 du 15 février 1961 modifiant et complétant l'annexe I du dahir du 31 mars 1919 formant code de commerce maritime et l'article 44 de l'annexe III formant règlement sur la pêche maritime (Dahir No. 1-58-106, amending and supplementing annex I to code of maritime commerce, and annex III (art. 44) of regulations for sea fishing, of the dahir of 31 March 1919.—15 February 1961)

Defines various types of fisheries and prescribes licences required on board fishing vessels.

- Netherlands. Laws, Statutes, etc. (1960)** M  
61-09505  
*Staatsblad Neth.*, text 440 : 1121

Besluit van 21 oktober 1960, houdende vaststelling van het tijdstip, waarop de wet op de walvisvangst 1960 in werking treedt (Decree fixing the coming into force of the 1960 whaling act, Stbl. 410.—21 October 1960)

At 1 Nov. 1960. Ad 61-08701.

- Netherlands. Laws, Statutes, etc. (1960)** F  
61-09506  
*Staatsblad Neth.*, text 507 : 1258

Besluit van 10 november 1960 tot vaststelling van het tijdstip, waarop het koninklijk besluit van 24 augustus 1959 (Stbl. 328), houdende wijziging riviervisserijreglement en algemeen visserijreglement voor de binnenwateren in werking treedt (Decree establishing the date on which the royal decree of 24 August 1959, Stbl. 328, amending the regulation relative to river fishing and the general regulation governing fishing in inland waters will come into force.—10 November 1960)

Ad 60-4491. At 15 Nov. 1960.



## REFERENCES

- MF  
61-09507
- Netherlands. Laws, Statutes, etc. (1960)**  
*Staatscourant Neth.*, (240) : 2
- Besluit van 6 december 1960, houdende toepassing van artikel 73 van de wet op de bedrijfsorganisatie ten aanzien van het produktieschap voor vis en visprodukten (Decree governing the application of art. 73 of the act relative to professional organization at the products association for fish and fisheries products.—6 December 1960)
- Specifies the organizations of employers and workers qualified to send representatives to the general committee of the products association aforesaid.
- MF  
61-09508
- Netherlands. Laws, Statutes, etc. (1960)**  
*Staatscourant Neth.*, (240) : 2
- Besluit van 6 december 1960, houdende toepassing van artikel 73 van de wet op de bedrijfsorganisatie ten aanzien van het visserijschap (Decree governing the application of art. 73 of the act relative to professional organizations in the cooperative fisheries associations.—6 December 1960)
- Specifies the employers and workers' organizations qualified to send representatives to the general committee of the association aforesaid.
- M  
61-09509
- Netherlands. Laws, Statutes, etc. (1960)**  
*Staatscourant Neth.*, (2) : 5
- Nr. Vi. 5218/Directie van de Visserijen. Afwijking gesloten tijd botvisserij in de Zeeuwse stromen.—30 december 1960 (Order No. Vi. 5218/Directie van de Visserijen, issued by the Minister of Agriculture and Fisheries amending the close season for plaice fishing in Zeeland rivers.—30 December 1960)
- Provides for exemption until 15 Mar. 1961 of such fisheries from the ban contained in art. 24, para 1, item 1 of the regulation Stb. 164 of 1911 governing fisheries in Zeeland rivers.
- F  
61-09510
- Netherlands. Laws, Statutes, etc. (1961)**  
*Staatsblad Neth.*, (13) : 39
- Besluit van 28 januari 1961, houdende uitvoering van artikel 5a, zesde en zevende lid, van de visserijwet (Stbl. 1931, 410) (Decree relative to the application of article 5a, paragraphs 6 and 7, of the fisheries act, Stbl. 410 of 1931, as last amended in Stbl. 296 of 1958.—28 January 1961)
- Specifies various organizations authorized to appoint members and deputy members of the Chamber of Inland Fisheries, for the session starting on 1 Feb. 1961.
- F  
61-09511
- New Zealand. Laws, Statutes, etc. (1960)**  
*Stat. Rules N.Z.*, 1960/57 : 3 p.
- Lake Tutira (winter fishing) regulations 1960, pursuant to the fisheries act 1908.—27 April 1960
- Make provision for a winter season for fishing for trout and other acclimatized fish in Lake Tutira commencing on 1 May and ending 30 Sep. in each year, and prescribe the conditions which are to apply in that winter season.

F

61-09512

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/92 : 20 p.Rotorua trout fishing regulations 1960, pursuant to the fisheries act, 1908.—  
22 June 1960Consolidate with some changes the Rotorua trout fishing regulations 1951  
and the amendments of those regulations. Expire with the 30 Jun. 1961.

F

61-09513

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/93 : 25 p.Taupo trout fishing regulations, 1960, pursuant to the fisheries act 1908.—  
22 June 1960Consolidate with amendments the Taupo trout fishing regulations 1950 as  
amended. Expire with the 30 Jun. 1961.

F

61-09514

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/101 : 3 p.Lakes Kowhata, Pauri and Wiritoa (winter season) regulations 1960,  
pursuant to the fisheries act 1908.—6 July 1960Make provision for a winter season for fishing for perch and other  
acclimatized fish in said lakes commencing with 1 Jun. and ending with 30 Sep.  
in each year, and prescribe conditions which are to apply in that winter season.

F

61-09515

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/106 : 4 p.Freshwater fisheries regulations (North Canterbury) modification notice  
1960, pursuant to the fisheries act 1908.—30 June 1960Modifies the provisions of the general regulations in the North Canterbury  
acclimatization district by limiting the number of salmon or trout that may  
be taken in specified waters, increasing the size limit in certain waters,  
restricting the lures and methods of fishing that may be used in certain waters,  
etc.

F

61-09516

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/102 : 3 p.Lake Ratapiko (winter season) regulations 1960, pursuant to the fisheries  
act 1908.—6 July 1960Make provision for a winter season for fishing for perch and other acclimatized  
fish in Lake Ratapiko commencing with 1 Jun. and ending with 30 Sep. in  
each year, and prescribe the conditions which are to apply in that winter  
season.

# REFERENCES

- New Zealand. Laws, Statutes, etc.** (1960) M  
61-09517  
*Stat. Rules N.Z.*, 1960/123 : 1 p.  
 Seal fishery regulations, 1946, amendment No. 5, pursuant to the fisheries act 1908.—10 August 1960

Extend for a further three years the close season for the taking of seals.

- New Zealand. Laws, Statutes, etc.** (1960) F  
61-09518  
*Stat. Rules N.Z.*, 1960/138 : 3 p.  
 The Rotoaira trout fishing regulations 1959, amendment No. 1, pursuant to the Maori purposes act 1959.—7 September 1960

Ad 61-05857. Abolishes the close season in Lake Rotoaira and the part of the Pontu stream to which the principal regulations apply, provides for a new kind of entry permit, authorizes trolling in certain areas, increases the daily bag limit, etc.

- New Zealand. Laws, Statutes, etc.** (1960) F  
61-09519  
*Stat. Rules N.Z.*, 1960/142 : 3 p.  
 Freshwater fisheries regulations 1951, amendment No. 5, pursuant to the fisheries act 1908.—14 September 1960

Increases the limit bag for trout or salmon from 20 to 50, reduces the size limit for trout or salmon from 9 inches to 6, etc.

- Norway. Laws, Statutes, etc.** (1959) M  
61-09520  
*Overensk. Fremm. St.*, (2) : 213-4

Overenskomst mellom den Norske Regjering og Regjeringen i Samveldet av Svojetiske Sosialistiske Republikker om framgangsmåten ved behandlingen av krav i forbindelse med skader på fiskeredskaper (Agreement between the Norwegian Government and the Government of the Soviet Socialist Republics relative to procedure in connection with claims for damage to fishing gear.—9 December 1959)

Comes into force on 1 Jan. 1960.

- Norway. Laws, Statutes, etc.** (1960) MF  
61-09521  
*Norsk Lovtid.*, (21) : 470-2

Lov Nr. 3 av 17. juni 1960, om bridge i lov frå 23. april 1948 (nr. 3) om Statens Fiskarbank (Act No. 3 amending the act of 23 April (No. 3) 1948, relative to the State Fisheries Bank.—17 June 1960)

The amended articles, 1, 2, 13, 14, 18, 19, 20 and 21, refer to various conditions governing the funding of and security, etc., for loans made to fisherfolk by the above bank.

M  
61-09522

**Norway. Laws, Statutes, etc. (1960)**  
*Norsk Lovtid.*, (23) : 526

Resolusjon om opphevelse av sentraliseringen av klippfiskeeksporten til Spania (Resolution abolishing the centralization of klip-fish export to Spain.—15 July 1960)

Amends resolution of 20 Jan. 1956 governing klip-fish exports, whereby exports to Spain are no longer subject to exclusive control of the Ministry of Fisheries Export Committee for klip-fish and salt fish.

M  
61-09523

**Norway. Laws, Statutes, etc. (1960)**  
*Norsk Lovtid.*, (26) : 571-2

Resolusjon av 2. september 1960 om endr. av § 9 i bestem. om saltvannsfiskeriene (fredningstiden for hummer) (Resolution amending art. 9 of the provisions relative to salt water fisheries—closed season for lobster fishing.—2 September 1960)

Specifies, subject to certain exceptions, the various areas and respective periods during which lobster fishing is prohibited. Comes into force immediately.

M  
61-09524

**Norway. Laws, Statutes, etc. (1960)**  
*Norsk Lovtid.*, (33) : 686

Resolusjon av 11. november 1960 om opphevelse av sentraliseringen av eksport av saltet rogn til Spania (Resolution abolishing the official handling—through the Export Committee for salt hard roes—of exports of salt roes to Spain.—11 November 1960)

Roe exports as above may now be exported to Spain without the formalities hitherto prescribed under the earlier resolution of 31 May 1956.

M  
61-09525

**Norway. Laws, Statutes, etc. (1960)**  
*Norsk Lovtid.*, (36) : 743

Resolusjon av 2. desember 1960 om sentralisering av eksporten av røkesild til Cuba (Resolution relative to the official handling—through the Export Committee for salt herring—of exports of smoked salt herring to Cuba.—2 December 1960)

Amends item II of the resolution of 2 Mar. 1956, as since amended, to incl. Cuba among those countries exports to which are subject to the above procedure.

M  
61-09526

**Peru. Laws, Statutes, etc. (1960)**  
*Peruano*, (5899) : 1

Decreto supremo N°18 por el cual se aprueba el convenio de París del 1° de octubre último sobre normas para la exportación de harina de pescado.—16 de diciembre de 1960 (Supreme decree No. 18, approving the Paris agreement of 1 October last on rules for the export of fishmeal.—16 December 1960)

For the years as from 1 Jan. 1961, annual export quota is 600,000 metric tons. Prescribes other measures regulating the fish meal industry.

## REFERENCES

MF  
61-09527

**Philippines. Laws, Statutes, etc. (1960)**  
*Off. Gaz. Philippines*, (51) : 7763-4

H. No. 4487. Republic act No. 2691: an act to amend section 2 of Republic act numbered 2002, entitled "an act to authorize the establishment of a brackish water experimental and demonstration fish farm in the Municipality of Himamaylan, Province of Negros Occidental, appropriating funds therefor".—18 June 1960

50,000 pesos appropriated to carry into effect the purposes of act No. 2002 until 30 Jun. 1961. Thereafter necessary amount shall be incl. in the general appropriations act of each year.

F  
61-09528

**Poland. Laws, Statutes, etc. (1960)**  
*Biul. Minist. Rolnictwa*, (7), texts 34-44 : 96-8

Instrukcja Nr 3 Ministra Rolnictwa w sprawie bezpieczeństwa i higieny pracy w rybactwie śródlądowym prowadzonym przez jednostki resortu rolnictwa (Instruction No. 3 of the Minister of Agriculture relative to work safety and hygiene in inland fisheries under the supervision of units in the agricultural field.—5 May 1960)

M  
61-09529

**Poland. Laws, Statutes, etc. (1960)**  
*Dziennik Ustaw*, (3), text 14 : 29-30

Rozporządzenie Ministra Finansów z dnia 5 stycznia 1961, r. zmieniające rozporządzenie z dnia 7 sierpnia 1959 r. w sprawie poboru w formie ryczałtu podatków obrotowego i dochodowego od osób trudniących się wędzeniem ryb (Order of the Minister of Finance amending the order of 7 August 1959, Dz. U. No. 47, text 290, relative to the collection in the form of a lump sum of business turnover and income taxes in the case of fish-curers.—5 January 1961)

Ad 60-8866.

MF  
61-09530

**Poland. Laws, Statutes, etc. (1960)**  
*Dziennik Ustaw*, (46), text 282 : 459

Oświadczenie rządów z dnia 22 października 1960 r. dotyczące zmian wprowadzonych do niektórych artykułów konwencji w sprawie regulowania oczek sieci rybackich i wymiarów ryb, podpisanej w Londynie dnia 5 kwietnia 1946 r. (Government notice relative to amendments applied to certain articles of the convention signed at London on 5 April 1946 for the regulation of meshes of fishing nets and the size limits of fish.—22 October 1960)

Embodies the amendments adopted in May 1960 by the Permanent Commission in London.

MF  
61-09531

**Spain. Laws, Statutes, etc. (1961)**  
*Bol. ofic. Estado, Spain*, (36) : 2173

Resolución de la Dirección General de Montes, Caza y Pesca Fluvial por la que se disponen períodos hábiles para la pesca del salmón y de la trucha.—31 de enero de 1961 (Resolution fixing open seasons for salmon and trout fishing.—31 January 1961)

For 1961.

M

**Spain. Laws, Statutes, etc. (1961)**

61-09532

*Bol. ofic. Estado, Spain, (33) : 1975*

Orden de 1 de febrero de 1961 por la que se establece la veda de la sardina en las regiones Cantábrica y noroeste (Order fixing a closed season on sardine fishing in the Cantabrian and northwest regions.—1 February 1961)

For correction see: *Bol. ofic. Estado, Spain, (34) : 2053*. Prohibits industrial sardine fishing from 15 Feb. to 15 Apr. 1961.

M

**Spain. Laws, Statutes, etc. (1961)**

61-09533

*Bol. ofic. Estado, Spain, (35) : 2117*

Orden de 1 de febrero de 1961 por la que se modifica el artículo 16 del reglamento para la pesca con arte de almadra de 4 de julio de 1924, y los párrafos cuarto y quinto del artículo 10 de los Estatutos del Consorcio Nacional Almadra de 14 de diciembre de 1928 (Order amending art. 16 of the regulations for drag-net fishing of 4 July 1924, art. 10, paras. 4 and 5, of the statutes of the National Drag-fishery Syndicate of 14 December 1928.—1 February 1961)

Methods of lighting fishing craft engaged in drag-net fishing.

M

**Spain. Laws, Statutes, etc. (1961)**

61-09534

*Bol. ofic. Estado, Spain, (41) : 2538*

Orden de 1 de febrero de 1961 por la que se autoriza a los patronos de pesca de gran altura para mandar buques de pesca hasta 500 toneladas (R.B.) (Order authorizing masters of deep-sea fishing vessels to command ships of up to 500 tons.—1 February 1961)

F

**Spain. Laws, Statutes, etc. (1961)**

61-09535

*Bol. ofic. Estado, Spain, (42) : 2615*

Orden de 2 de febrero de 1961 por la que se unifica provisionalmente el período de veda para la pesca del cangrejo de río en todas las aguas del territorio nacional (Order provisionally unifying the closed season on river crawfish in all national waters.—2 February 1961)

From 16 Sep.—31 May, each year. Revokes royal order of 22 Sep. 1911 and other orders in contradiction herewith.

F

**Sweden. Laws, Statutes, etc. (1960)**

61-09536

*Svensk FörfSaml., (130-133) : 333-9*

Lag Nr. 130 om fiskevårdsområden 5 maj 1960 (Act No. 130 relative to fish protection areas.—5 May 1960)

Specifies general provisions and conditions governing the areas in question, grant of fishing rights therein, compulsory contribution for the maintenance of the areas by owners of fishing rights, etc.

# REFERENCES

**Sweden. Laws, Statutes, etc.** (1960)  
*Svensk FörfSaml.*, (130-133) : 339-40

F  
61-09537

Lag Nr. 131 angående ändring i lagen den 1 december 1950 (nr 596) om rätt till fiske.—5 maj 1960 (Act No. 131 amending act No. 596 of 1 December 1950 relative to fishing rights.—5 May 1960)

The amended articles 24, 26, 35 and 40 refer to fishing rights on jointly-owned properties, protection areas, penalties for infractions, etc.

**Sweden. Laws, Statutes, etc.** (1960)  
*Svensk FörfSaml.*, (130-133) : 340-1

MF  
61-09538

Lag Nr 132 angående ändrad lydelse av 3 § lagen den 27 juni 1957 (nr 390) om fiskearrenden.—5 maj 1960 (Act No. 132 amending article 3 of the act No. 390 of 27 June 1957 relative to fishing leases.—5 May 1960)

Amends article 3 providing for the grant of fishing rights for a period of not less than 5 years or for the lifetime of the lessee.

**Sweden. Laws, Statutes, etc.** (1960)  
*Svensk FörfSaml.*, (125-127) : 328

MF  
61-09539

Kungl. Maj:ts förordning Nr 127 om fortsatt giltighet av förordningen den 5 juni 1953 (nr 374) angående reglering av utförseln av vissa slag av fisk och skaldjur m.m.—13 maj 1960 (Royal decree No. 127 prolonging the validity of the decree No. 374 of 5 June 1953 governing exports of certain kinds of fish and crustaceans.—13 May 1960)

**Sweden. Laws, Statutes, etc.** (1960)  
*Svensk FörfSaml.*, (121-2) : 324

MF  
61-09540

Kungl. Maj:ts kungörelse Nr 122 om upphävande av skrivelsen den 23 december 1885 (nr 73) till länsstyrelsen i Göteborgs och Bohus län angående tillstånd för utlänningar att idka uppköp av fisk för dess exporterande såsom färsk.—13 maj 1960 (Act No. 122 repealing the notice No. 73 of 23 December 1885 to the provincial governor's office of the province of Gothenburg and Bohuslän relative to permission for aliens to conduct purchases of fresh fish for export.—13 May 1960)

The repeal applies as from 1 Jun. 1960.

**Sweden. Laws, Statutes, etc.** (1960)  
*Svensk FörfSaml.*, (125-127) : 327

MF  
61-09541

Kungl. Maj:ts förordning Nr 125 angående fortsatt giltighet av förordningen den 30 maj 1952 (nr 320) om viss reglering av handeln med fisk, m.m.—13 maj 1960 (Royal decree No. 125 prolonging the validity of decree No. 320 of 30 May 1952 governing trade in fish, etc.—13 May 1960)

Extended until 30 Jun. 1961.

MF

**Sweden. Laws, Statutes, etc. (1960)**

61-09542

*Svensk FörfSaml.*, (125-127) : 327-8

Kungl. Maj:ts förordning Nr 126 om fortsatt giltighet av förordningen den 5 juni 1953 (nr 372) angående reglering av införseln av vissa slag av fisk och skaldjur, m.m.—13 maj 1960 (Royal decree No. 126 prolonging the validity of the decree No. 372 of 5 June 1953, governing imports of certain kinds of fish and crustaceans.—13 May 1960)

Extended until 30 Jun. 1961.

M

**Sweden. Laws, Statutes, etc. (1960)**

61-09543

*Svensk FörfSaml.*, (537) : 1441-2

Kungl. Maj:ts kungörelse Nr 537 angående fiske med trål utan s. k. bobbins vid rikets västra kust.—17 augusti 1960 (Royal order No. 537 relative to fishing with trawl nets without so-called bobbins on the west coast of Sweden.—17 August 1960)

Comes into force on 1 Oct. 1960.

M

**Sweden. Laws, Statutes, etc. (1960)**

61-09544

*Svensk FörfSaml.*, (547-548) : 1455-6

Kungl. Maj:ts kungörelse Nr 548 angående ändrad lydelse av 1-3 § kungörelsen den 21 november 1952 (nr 699) med vissa bestämmelser om storleken av maskor i fiskredskap av nät och om minimimått på fisk m.m.—15 september 1960 (Royal order No. 548 amending arts. 1-3 of order No. 699 of 21 November 1952 specifying certain provisions relative to the size of mesh of fishing nets and minimum dimensions of fish, etc.—15 September 1960)

The amended articles 1, 2 and 3 specify the areas in Swedish waters to which the various mesh and fish size limits respectively apply. Comes into force on 1 Nov. 1960.

M

**Sweden. Laws, Statutes, etc. (1960)**

61-09545

*Svensk FörfSaml.*, (547-548) : 1453-5

Kungl. Maj:ts kungörelse Nr 547 med tillämpningsföreskrifter till lagen om fiskevårdsområden.—30 september 1960 (Royal order No. 547 specifying provisions relative to the application of the act on fisheries protection areas.—30 September 1960)

Prescribes additional data, over and above those stipulated in art. 4, para. 2, of the above act—to be contained in the statutes on fisheries protection areas, e.g. designation of area, duration of application, spp. of fish concerned, meetings of the administration, its composition, accounts, etc. Other provisions refer to records of meetings, registration of areas, settlement of disputes, etc. Comes into force on 1 Jan. 1961.



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Names and addresses of research workers, up to end of 1958, by countries and institutions, with alphabetical indexes to persons and institutions, and incl. fisheries workers in a few cases, as well as helminthologists and others who may be concerned incidentally with studies of aquatic organisms.

- M  
61-09780
- Knauss, J. A.** (1961)  
*J. geophys. Res.*, 66 (1) : 143-55  
 The structure of the Pacific equatorial countercurrent
- Summary of the studies, from 1955 to 1959, of the velocity structure of the equatorial countercurrent in the eastern Pacific.
- M  
61-09781
- Schooley, A. H.** (1961)  
*J. geophys. Res.*, 66 (1) : 157-62  
 Relationship between surface slope, average facet size, and facet flatness tolerance of a wind-disturbed water surface
- CR 60-9034. Experimental relationships are given relating wind velocity to the parameters given in the title. Photographically obtained profiles of waves in a short-fetch water-wind tunnel were used as the source of data.
- M  
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- Pierson, W. J., Jr.** (1961)  
*J. geophys. Res.*, 66 (1) : 163-79  
 Some nonlinear properties of long-crested periodic waves with lengths near 2.44 centimeters
- Waves with lengths near 2.44 cm are studied theoretically by means of both a classical perturbation technique and a wave number perturbation analysis.
- F  
61-09783
- Popovskaia, G. I.** (1960)  
*Izv. sib. Otd. Akad. Nauk S.S.S.R.*, (9) : 145-56  
 Fitoplankton zaliva Proval ozera Baikala (The phytoplankton of the Proval Bay in the Baikal Lake)
- Data and methods of investigations; plankton spp., seasonal dynamics of the biomass and quantity of phytoplankton; taxonomic list of seasonal occurrence.
- MF  
61-09784
- Slicher, A. M.** (1961)  
*Bull. Bingham oceanogr. Coll.*, 17 (3) : 55 p.  
 Endocrinological and hematological studies in *Fundulus heteroclitus* (Linn.). Ru
- Occurrence of different blood cell types in the killifish, and changes of hemoglobin and red cell counts, as influenced by various factors.
- M  
61-09785
- Robinson, E.** (1960)  
*Proc. zool. Soc. Lond.*, 135 (3) : 319-38  
 Observations on the toxoglossan gastropod *Mangelia brachystoma* (Philippi)
- Live observations of morphology, digestive and genital systems of this pleurotomatid from sand of Plymouth Sound, which, like the conids of the Pacific, is a predator which overcomes its prey with a toxic secretion.

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*Proc. zool. Soc. Lond.*, 135 (3) : 339-56  
The genital systems of the freshwater Basommatophora
- Following comparative histological investigation of representatives of the four families of Hygrophila, Physidae, Lymnaeidae, Planorbidae and Ancyliidae, a standardized nomenclature for different parts of the female duct is proposed and homologies suggested. Reproductive systems of *Physa fontinalis*, *Lymnaea peregra*, *Planorbarius corneus* and *Ancylus fluviatilis* are described.
- Craggs, J. D. & N. F. Ellison** (1960) M  
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*Proc. zool. Soc. Lond.*, 135 (3) : 375-85  
Observations on the seals of the (Welsh) Dee Estuary
- Monthly census of *Halichoerus grypus* and *Phoca vitulina*, 1942-57.
- Purchon, R. D.** (1960) MF  
61-09788  
*Proc. zool. Soc. Lond.*, 135 (3) : 431-89  
The stomach in the Eulamellibranchia; stomach types 4 and 5
- Internal structure and function described for representatives of 23 families. Evolution significance of differences is discussed.
- Salah, M. M.** (1959) MF  
61-09789  
*Notes hydrobiol. Dep. Minist. Agric. U.A.R.*, (40) : 19 p.  
Phytoplankton population of the Nouzha Hydrodrome. Ar
- Investigations based on quantitative record; a list of spp., is given. Productivity is very poor in comparison with Nile waters and delta lakes.
- Gorgy, S.** (1959) F  
61-09790  
*Notes hydrobiol. Dep. Minist. Agric. U.A.R.*, (42) : 26 p.  
The use of energy equations in the calculation of the rate of evaporation from Lake Quarân. Ar
- Aliverti, G., et al.** (1960) M  
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*Ann. Ist. nav., Napoli*, 28 : 27 p.  
Dati talassografici della seconda crociera tirrenica dell'A.G.I. 1957-58 (Oceanographic data of the 2nd Tyrrhenian cruise—International Geophysical Year 1957-58). En
- Data of temperature, salinity and density.

M

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**De Maio, A.** (1959)*Ann. Ist. nav., Napoli*, 28 : 16 p.

Su alcune misure dirette di corrente eseguite nell'ottobre 1959 a bordo della corvetta 'Daino' con il metodo del paracadute (About some measurements of sea currents by means of parachute drogues, performed on board the corvette 'Daino' in October 1959). En

Introductory considerations about the surface and subsurface measurements, and results of tests performed: 1. in the Canale d'Ischia, 10 m depth; 2. at SE of the Isola dei Cavoli, 800 m and 10 m depth.

M

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**De Maio, A.** (1959)*Ann. Ist. nav., Napoli*, 28 : 8 p.

Sulle condizioni di stabilità dell'acqua di mare mediterranea rispetto a spostamenti verticali (On the changes of stability of the Mediterranean Sea water in a vertical direction). En

The stability of water at a station in the Tyrrhenian has been evaluated by means of the Hesselberg and Sverdrup's formula.

M

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**Aliverti, G. et al.** (1960)*Ann. Ist. nav., Napoli*, 28 : 32 p.

Dati talassografici della terza crociera tirrenica dell'A.G.I. 1957-58 (Tallassographic data from the 3rd Tyrrhenian cruise during the IGY 1957-58). En

Data of temperature, salinity, density, oxygen and pH.

M

61-09795

**Aliverti, G., M. Canò & A. De Maio** (1960)*Ann. Ist. nav., Napoli*, 29 : 24 p.

Dati talassografici della quarta crociera tirrenica dell'A.G.I. 1957-58 (Thalassographic data from 4th Tyrrhenian cruise during IGY 1957-58). En

Data of temperature, salinity, density and oxygen.

M

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Dati talassografici della quinta crociera tirrenica dell'A.G.I. 1957-58 (Thalassographic data from the 5th Tyrrhenian cruise during IGY 1957-58). En

Data of temperature, salinity, density and oxygen.

F

61-09797

**Schmidt, B.** (1960)

München, 39 p.

Histologische Untersuchungen an der Leber von gesunden und an "infektiöser" Nierenschwellung und Leberdegeneration erkrankten Forellen (Histological investigations on the liver of healthy trout and of trout with infectious tumour of kidney and with liver degeneration)

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61-09798  
*Trav. Sta. Rech. Groenendaal*, D (29) : 23 p.  
 L'élevage de la carpe au Liban (Carp culture in Lebanon). En

Paper is based on work during an assignment in Lebanon from 24 Oct. 1957 to 6 May 1958 under the Technical Assistance Program. The material contained herein has been previously submitted to the Government of Lebanon in various reports. Information is given for raising of carp, incl. such data as grading system, fertilization, artificial feeding, productivity, use of secondary spp., and care of ponds. A description of experimental carp farm at Terbol, Bekka Valley, is given together with a three-year plan for the operation of the farm.

- Streeter, H. W. & E. B. Phelps** (1958) F  
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*Publ. Hlth Bull., Wash.*, (146) : 75 p.

A study of the pollution and natural purification of the Ohio River—3. Factors concerned in the phenomena of oxidation and re-aeration.

Theoretical discussion and experimental data on oxygen balance of the river.

- Runemark, H.** (1960) M  
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*Bot. Notiser*, 113 (4) : 459-61

Algfloran på Grollegrund i norra Öresund (Algal flora on the Grollegrund in northern Öresund)

Lists of seaweeds on the ground.

- Currier, A., W. D. Kitts & I. McT. Cowan** (1960) F  
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*Canad. J. Zool.*, 38 (6) : 1109-16  
 Cellulose digestion in the beaver (*Castor canadensis*)

Indigestible markers added to the feed and artificial caeca were used as techniques in the determination of cellulose digestion. The ability of the experimental animals to digest cellulose ranged from 32 to 33%

- Lewis, J. B.** (1960) M  
61-09802  
*Canad. J. Zool.*, 38 (6) : 1133-45

The coral reefs and coral communities of Barbados, W.I.

Actively growing, fringing coral reefs are developed along the western coast of Barbados. The form of these reefs, from the shore to depths of about 30 meters, is described. *Montastrea annularis* is the dominant shallow water sp. while *Madracis asperula* is dominant beyond depths of 10 meters. The development of the reefs in terms of coral growth is described.

F

**Wiggins, G. B.** (1960)

61-09803

*Canad. J. Zool.*, 38 (6) : 1153-70

A preliminary systematic study of the North American larvae of the caddis-fly family Phryganeidae (Trichoptera)

Larvae are described for 13 spp., incl. 5 not previously known. Progress is made in giving broader biological significance to the generic groupings. A key to 7 of the 8 North American genera is provided, along with keys to the known larvae of the genera *Agrypnia* and *Banksiola*. The general distribution of each sp. treated is summarized.

F

**de Wit, J. J. D.** (1960)

61-09804

*Canad. J. Zool.*, 38 (6) : 1171-3

Hybridization experiments in rhodeine fishes (Cyprinidae, Teleostei)—The intergeneric hybrids of *Acheilognathus lanceolata* ♀ × *Acanthorhodeus atremius* ♂ and *Tanakia tanago* ♀ × *Acheilognathus rhombea* ♂

Experimental evidence is presented for the occurrence of a dominant genetic factor in *A. rhombea* males, which controls the duration of embryonic development in this and other bitterling spp.

M

**France. Comité Central d'Océanographie et d'Étude des Côtes** (1961)

61-09805

*Cah. océanogr.*, 13 (1) : 1-59

Co 61-07262. Contains 61-09806 to 61-09809.

M

**Lacombe, H.** (1961)

61-09806

*Cah. océanogr.*, 13 (1) : 9-13

Mesures de courant à 100 mètres de profondeur à l'ouest de la côte espagnole (Cap Finistère) (Measurements of current at 1000 meters depth west of the Spanish coast, Cape Finisterre)

M

**Rotschi, H.** (1961)

61-09807

*Cah. océanogr.*, 13 (1) : 14-31

Sur certaines propriétés chimiques des eaux équatoriales et tropicales du Pacifique—Caractères généraux de la distribution de l'oxygène dissous (About certain chemical properties of the equatorial and tropical Pacific—General characters of the distribution of the dissolved oxygen)

M

**Poncet, J.** (1961)

61-09808

*Cah. océanogr.*, 13 (1) : 32-7

Existence de "formes festonnées" pré littorales en certains points de la côte algérienne—Mise en évidence de "courants d'arrachement" (Existence of "festoon forms" in certain points of the Algerian coast—Indication of "lifting currents")

Description of forms, their relation with coast, explanation of their existence.



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61-09809  
*Cah. océanogr.*, 13 (1) : 47-58  
 Résultat d'observations (Results of observations)  
 Tables of data on temperatures and salinity collected from Pointe-Noire to Douala, West Africa, by the 'Ombango'.
- Green, J.** (1960) F  
61-09810  
*Proc. zool. Soc. Lond.*, 135 (4) : 491-523  
 Zooplankton of the River Sokoto; the Rotifera  
 41 spp. are recorded from the river in north Nigeria, and details of seasonal abundance given.
- Fretter, V.** (1960) M  
61-09811  
*Proc. zool. Soc. Lond.*, 135 (4) : 537-49  
 Observations on the tectibranch *Ringicula buccinea* (Brocchi)  
 Specimens dredged from muddy sand at St. Jean-de-Luz. Discussion of the animal's structure confirms its position as a primitive form specialized for burrowing and also shows affinities with the basommatophoran pulmonates.
- Barrington, E. J. W.** (1960) F  
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*Proc. zool. Soc. Lond.*, 135 (4) : 551-8  
 Some features of the vascularization of the hypothalamus and pituitary stalk in the minnow *Phoxinus phoxinus* L.  
 Anatomy of specimens from lake Windermere.
- Fryer, G.** (1960) F  
61-09813  
*Proc. zool. Soc. Lond.*, 135 (4) : 569-78  
 Some controversial aspects of speciation of African cichlid fishes  
 Distinction made between intralacustrine speciation shown by some groups and simple specific proliferation shown by others. Former phenomenon is exhibited by several genera but hardly at all by *Tilapia*. Consideration of the effects of predation supports the idea that it has accelerated speciation. If certain conditions are fulfilled, closely related spp. can co-exist throughout life in one habitat, eat the same kind of food and breed in close proximity.
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*Proc. zool. Soc. Lond.*, 135 (4) : 579-85  
 Dentition of the ribbon seal  
 Ci 583713. Dental formula of *Histriophoca fasciata* which lives among the drift-ice floes of Okhotsk, Bering and Chuckchee Seas.

F

**Green, J.** (1960)

61-09815

*Proc. zool. Soc. Lond.*, 135 (4) : 613-8Zooplankton of the River Sokoto—The freshwater medusa *Limnocyda*

Ci 61-09810. Found from Dec. 1956 to Apr. 1957 in a pool which becomes separated from the main channel of the River Sokoto during the dry season. Medusae are described and importance of number and size of statocysts as a systematic character within the genus is discussed. Map shows distribution of *Limnocyda* in Africa.

F

**Affleck, R. J.** (1960)

61-09816

*Proc. zool. Soc. Lond.*, 135 (4) : 631-7

Notes on the breeding of the domesticated grey guppy *Lebistes reticulatus* (Peters)

Broods are usually small owing to cannibalism by parent and other fish before the swim-bladders of the fry are inflated. When cannibalism is eliminated by confining each female in a maternity cage, the number of fry in the brood is a linear function of the total length of the female.

F

**Mackiewicz, J. S.** (1960)

61-09817

Thesis, Cornell Univ., U.S., 406 p.

Studies on the Caryophyllaeidae (Cestoidea) of *Catostomus commersoni* (Lacépède), with emphasis on those from fish near Ithaca, New York, (Tompkins County), U.S.A.

DA 21 (11) : 3566-7.

F

**Rhoades, R.** (1960)

61-09818

Thesis, The Ohio St. Univ., U.S., 81 p.

Evolution of the crayfish genus *Orconectes* section *limosus*

DA 21 (11) : 3569-70.

MF

**Trames, P. O.** (1959)

61-09819

*Ber. schweiz. bot. Ges.*, 69 : 323-41

(Osmotic variations in some hydrophytes)

IABS 22 (1) 1936. Studies on the effect of light and salt concentration on plasmolysis and cell acidity in a variety of salt- and fresh-water plants. Cell sap acidity of *Sargassum linifolium* was found to be same as acidity of sea water.

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- HA 30 (2) 861. Found four specimens in body cavity of a *Tinca tinca* caught in the Svratka River, in the surroundings of Brno. First report of this nematode genus in Czechoslovakia.
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- Manter, H. W. & M. H. Pritchard** (1960) M  
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 Additional hemiurid trematodes from Hawaiian fishes
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- HA 30 (2) 980.
- Garoian, G. S.** (1960) F  
61-09825  
*Proc. helm. Soc. Wash.*, 27 (2) : 199-202  
*Schistocephalus thomasi* n.sp. (Cestoda, Diphyllbothriidae), from fish-eating birds
- HA 30 (2) 984.

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*Ann. Parasit. hum. comp.*, 35 (1-2) : 191-2  
 Mise en synonymie de deux espèces de *Contracaecum*, parasites de mammifères marins (Synonym for two species of *Contracaecum*, parasites of marine mammals)  
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 (The survival of *Oncomelania nosophora* in the newly constructed concrete aquarium). *Ni En*  
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 Philometrosis of crucian carp. *Pl*  
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 Studies on the nervous regulation of the heart beat in decapod Crustacea
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 Some digenetic trematodes of eels of Hawaii
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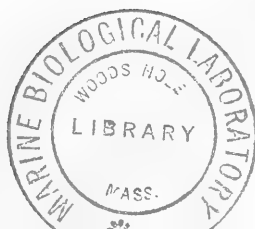
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Two functions of salinity are computed: the first one in such a manner that the mean  $n$  square error in conductivity is a minimum, the second one that the error in salinity is minimum.

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Neuere Erkenntnisse über die Beziehungen zwischen den Lebensfunktionen mariner Pflanzen und dem Salzgehalt des Meer- und Brackwassers (New recognitions on the relations between the life functions of marine plants and the salinity of marine and brackish water). En

New results are discussed, with special regard to nutrition and growth, assimilation and respiration as well as salinity resistance and turgor regulation.

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Taxonomic list and description of numerous collected spp.

MF

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Fat content studies in relation to time and place of the catch, and variations within samples.

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Proclamation made under the fisheries and oyster farms act, 1935-1960 relative to the waters of Namoi River above and below Keepit Dam, County of Darling.—8 February 1961

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Order in council made under the fisheries acts, 1957-1959.—23 March 1961

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61-09988  
*Qd Govt Gaz.*, (114) : 1737

Order in council made under the fisheries acts, 1957-1959.—23 March 1961

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Provisions of an administrative nature.

M  
61-09991

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Statutory orders and regulations/61-81. Order in council P.C. 1961-299 amending the lobster fishery regulations, made under the fisheries act.—2 March 1961

Minimum length of lobsters to be 3 3/16 inches in lobster fishing district No. 5.

M  
61-09992

**Canada. Laws, Statutes, etc. (1961)**  
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Décrets, ordonnances et règlements statutaires/61-81. Arrêté C.P. 1961-229 modifiant le règlement de pêche du homard en vertu de la loi sur les pêcheries.—2 mars 1961 (Statutory orders and regulations/61-81. Order in council P.C. 1961-299 amending the lobster fishery regulations, made under the fisheries act.—2 March 1961)

Fr 61-09991.

M  
61-09993

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SOR/61-82. Order in council P.C. 1961-300 amending the Prince Edward Island fishery regulations made under the fisheries act.—2 March 1961

The amendments relate to the description of contaminated areas where no person shall fish for or take shellfish therefrom for use as a raw food.

M  
61-09994

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (6) : 304

DORS/61-82. Arrêté C.P. 1961-300 modifiant le règlement de pêche de l'île du Prince-Edouard en vertu de la loi sur les pêcheries.—2 mars 1961 (SOR/61-82. Order in council P.C. 1961-300 amending the Prince Edward Island fishery regulations made under the fisheries act.—2 March 1961)

Fr 61-09993.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09995

*Can. Gazette (II)*, (6) : 299

SOR/61-83. Order in council P.C. 1961-301 amending the British Columbia fishery regulations made under the fisheries act.—2 March 1961

For the year 1961 only, the limit of herring for the northern and sub-district of district No. 2 is 50,000 tons.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09996

*Can. Gazette (II)*, (6) : 305

DORS/61-83. Arrêté C.P. 1961-301 modifiant le règlement de pêche de la Colombie-Britannique en vertu de la loi sur les pêcheries.—2 mars 1961 (SOR/61-83. Order in council P.C. 1961-301 amending the British Columbia fishery regulations made under the fisheries act.—2 March 1961)

*Fr* 61-09995.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09997

*Can. Gazette (II)*, (6) : 388

SOR/61-95. Order in council P.C. 1961-341 made under the deep sea fisheries act relative to distribution of grant 1960-61.—9 March 1961

Authorizes payment out of the consolidated revenue fund of a grant of \$160,000 for the purposes of the act.

M

**Canada. Laws, Statutes, etc. (1961)**

61-09998

*Can. Gazette (II)*, (6) : 401

DORS/61-95. Arrêté C.P. 1961-341 en vertu de la loi sur les pêches maritimes relatif à la distribution de la subvention pour l'année 1960-1961.—9 mars 1961 (SOR/61-95. Order in council P.C. 1961-341 made under the deep sea fisheries act relative to distribution of grant 1960-61.—9 March 1961)

*Fr* 61-09997.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-09999

*Can. Gazette (II)*, (7) : 407-8

SOR/61-102. Order in council P.C. 1961-374 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—16 March 1961

Various amendments providing *inter alia* that before cans are hermetically sealed, adequate measures shall be taken to insure a vacuum of at least 4 inches (Mercury) after the cans have been processed and cooled.

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## Canada. Laws, Statutes, etc. (1961)

MF  
61-10000

*Can. Gazette (II)*, (7) : 422-3

DORS/61-102. Arrêté C.P. 1961-374 modifiant le règlement visant l'inspection des conserveries et des conserves de poisson, mollusques et crustacés en vertu de la loi sur les viandes et conserves alimentaires.—16 mars 1961 (SOR/61-102. Order in council P.C. 1961-374 amending the canned fish and shellfish and cannery inspection regulations made under the meat and canned foods act.—16 March 1961)

Fr 61-09999.

## Canada. Laws, Statutes, etc. (1961)

M  
61-10001

*Can. Gazette (II)*, (7) : 409

SOR/61-103. Order in council P.C. 1961-375 amending the British Columbia Fishery regulations made under the fisheries act.—16 March 1961

Insertion of a new section 15 B to provide that for the fishing season ending 10 Mar. 1961 only, a quantity of herring exceeding the limit for the central subdistrict by 5000 tons may be taken if that quantity is taken in those waters of the central subdistrict described in areas 7, 8, 9 and 10 of schedule A.

## Canada. Laws, Statutes, etc. (1961)

M  
61-10002

*Can. Gazette (II)*, (7) : 424

DORS/61-103. Arrêté C.P. 1961-375 modifiant le règlement de pêche de la Colombie-Britannique en vertu de la loi sur les pêcheries.—16 mars 1961 (SOR/61-103. Order in council P.C. 1961-375 amending the British Columbia fishery regulations made under the fisheries act.—16 March 1961)

Fr 61-10001.

## Canada. Laws, Statutes, etc. (1961)

MF  
61-10003

*Can. Gazette (II)*, (7) : 410-1

SOR/61-104. Order in council P.C. 1961-376 to amend the northwest territories fishery regulations made under the fisheries act.—16 March 1961

The amendments concern commercial gill nets licences.

## Canada. Laws, Statutes, etc. (1961)

MF  
61-10004

*Can. Gazette (II)*, (7) : 425-6

DORS/61-104. Arrêté C.P. 1961-376 modifiant le règlement de pêche des territoires du nord-ouest en vertu de la loi sur les pêcheries.—16 mars 1961 (SOR/61-104. Order in council P.C. 1961-376 to amend the northwest territories fishery regulations made under the fisheries act.—16 March 1961)

Fr 61-10003.

- M  
61-10005
- Ceylon. Laws, Statutes, etc. (1961)**  
*Ceylon Govt Gaz.*, (12,338), Pt. 1, sect. 1, general : 373-4  
 L.D.-B. 33/57. Weligama fishing regulations, 1961, made under the fisheries ordinance, No. 24 of 1940, as amended.—28 March 1961

Prohibits the use of any device other than rod and line and cast net in the respectively specified areas.

- M  
61-10006
- Ceylon. Laws, Statutes, etc. (1961)**  
*Ceylon Govt Gaz.*, (12,337), Pt. 1, sect. 1, general: 370 G & 370H  
 Food price order No. C. 307 relative to dried fish and dried prawns, pursuant to the control of prices act, No. 29 of 1950.—6 April 1961

Fixes the importer's maximum wholesale and retail prices, etc.

- M  
61-10007
- Ceylon. Laws, Statutes, etc. (1961)**  
*Ceylon Govt Gaz.*, (12,342), Pt. 1, sect. 1, general : 399-401  
 Food price order No. C. 309 relative to dried fish and dried prawns pursuant to the control of prices act, No. 29 of 1950.—11 April 1961

Ad 61-10006. Fixes importer's maximum wholesale and retail prices and prescribes various other sales regulations. Revokes food price order No. 307 of 6 April 1961.

- M  
61-10008
- Ceylon. Laws, Statutes, etc. (1961)**  
*Ceylon Govt Gaz.*, (12,343), Pt. 1, sect. 1, general : 402 G  
 Food price order No. C. 310 relative to dried fish and dried prawns pursuant to the control of prices act, No. 29 of 1950.—12 April 1961

Weekly returns shall be furnished by importers and wholesale traders.

- MF  
61-10009
- France. Laws, Statutes, etc. (1961)**  
*J. off. Rép. franç.*, (75) : 3145

Arrêté du 16 mars 1961 fixant les conditions de vérification des mailles des filets et des engins (Order fixing the conditions of verification of the mesh of nets and of fishing tackle.—16 March 1961)

Pursuant to article 14 of the order of 16 Sep. 1958, as amended, relative to river fishing.

- M  
61-10010
- Italy. Laws, Statutes, etc. (1960)**  
*Gazz. uff. Italy*, (9) : 142-3

Decreto del Presidente della Repubblica, n. 1638 del 25 settembre 1960. Proroga della durata dell'osservatorio pesca marittima di Venezia per il periodo di dieci anni (Decree No. 1638 of the President of the Republic extending the duration of activity of the Maritime Fisheries Observatory in Venice for a period of ten years.—25 September 1960)

Extends such duration for 10 years as from 1 Jul. 1960 for which purpose the Ministry of Agriculture and Forests makes an annual grant to the observatory of 320,000 lire.

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**Netherlands. Laws, Statutes, etc. (1961)** F  
61-10011  
*Staatscourant. Neth.*, (41) : 7

23 februari 1961/Nr. Vi. 326/Directie van de Visserijen ontheffing gesloten tijd voor zeelt (Order No. Vi. 326/Directive v.d. Visserijen issued by the Minister of Agriculture and Fisheries exempting tench from the closed fisheries season.—23 February 1961)

**Netherlands. Laws, Statutes, etc. (1961)** F  
61-10012  
*Staatscourant. Neth.*, (60) : 13

23 maart 1961/nr. Vi. 935/Directie van de Visserij. Vaststelling bijdragen verbetering binnenvisserij (Order No. Vi 935/Directive v.d. Visserij issued by the Minister of Agriculture and Fisheries establishing the contributions payable for the improvement of inland fisheries.—23 March 1961)

From 1 Jun. 1961 to 31 May 1962.

**Netherlands. Laws, Statutes, etc. (1961)** MF  
61-10013  
*Staatscourant. Neth.*, (69) : 14

Besluit aanwijzing organisaties voor benoeming bestuursleden bedrijfsschap voor de Groothandel in vis en aanverwante bedrijven (Decree specifying the organizations appointing members of the board of the cooperative association for trade in fish and other similar trades.—6 April 1961)

**Norway. Laws, Statutes, etc. (1960)** MF  
61-10014  
*Norsk Lovtid.*, (1) : 8–9, Jan. 1961

Resolusjon om endr. av resolusjon av 31. mai 1956 om eksporten av saltet rogn (Resolution amending the resolution of 31 May 1956 relative to the export of salt roe.—22 December 1960)

Provides that sales of salt roe and negotiations relative thereto with the Peoples Democracies (U.S.S.R., China, Poland, etc.), and as regards certain roes, also Japan, may be conducted only through the Export Association for Salt Roe established by the Norwegian Ministry of Fisheries.

**Norway. Laws, Statutes, etc. (1961)** M  
61-10015  
*Norsk Lovtid.*, (2) : 22

Resolusjon om endr. i. res. av 22. des. 1955 om bestemmelser om saltvannsfiskeriene (Resolution amending the resolution of 22 December 1955 relative to provisions governing saltwater fisheries.—6 January 1961)

Amends art. 11, para. 3 permitting the use of nets of smaller mesh than prescribed in paras. 1 and 2 provided that they are used only for catching the fish specified, and that other provisions respecting fish of less than minimum permitted dimensions in other latitudes than that indicated, are observed.

**Norway. Laws, Statutes, etc. (1961)** M  
61-10016  
*Norsk Lovtid.*, (3) : 29

Resolusjon om utvidelse av lovbeskyttelsen for Norges råfisklag til å omfatte lyr (Royal resolution extending the provisions of the resolution of 14 December 1951 governing Norwegian Raw Fish Association to include pollack.—13 January 1961)

- Philippines. Laws, Statutes, etc. (1960)** MF  
61-10017  
*Off. Gaz. Philippines*, (6) : 1025  
Fisheries administrative order No. 61, amending subsection (D) and revoking subsection (E) of section 4 of the revised fisheries administrative order No. 60.—12 December 1960

Relates to increase or decrease of area granted for reasons of public interest.

- Poland. Laws, Statutes, etc. (1960)** F  
61-10018  
*Biul. Minist. Rolnictwa*, (10) : 141, text 69

Zarządzenie Nr 105 Ministra Rolnictwa z dnia 26 lipca 1960 roku w sprawie powołania straży rybackiej w państwowych gospodarstwach rybackich (Decision No. 105 of the Minister of Agriculture relative to the organisation of wardens supervising fisheries in State fisheries undertakings.—26 July 1960)

Accompanied by a directive.

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Ad 60-2948. Specifies the duties of the Director of the Centre, etc.

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*Dziennik Ustaw*, (5), text 33 : 52-5

Ustawa z dnia 31 stycznia 1961 r.o. ochronie wód przed zanieczyszczeniem (Act relative to the protection of waters against pollution.—31 January 1961)

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Specifies certain provisions banning hunting, shooting, fishing, etc., in the provinces of Stockholm, Södermanland, Östergötland, Jönköping, Kalmar, Gotland, Blekinge, Kristianstad, Malmöhus, Halland, Älvsborg, Värmland, Örebro, Kopparberg, Gävleborg, Västernorrland, Jämtland and Norrbotten.

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*Rec. Dom. Mus., Wellington*, 3 (3) : 235-40

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The synonyms and taxonomic status of spp. of the Galaxiidae in New Zealand are discussed.

M

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*Rec. Dom. Mus., Wellington*, 3 (4) : 251-62

The Cape Crozier emperor penguin rookery

The location, mortality, and restriction of the distribution are discussed.

M

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*Rec. Dom. Mus., Wellington*, 3 (4) : 263-82

The Adelie penguins of Ross and Beaufort Islands

Conditions under which the rookeries exist were observed, and their sizes measured as a basis for future work.

M

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*Rec. Dom. Mus., Wellington*, 3 (4) : 293-306

Sea-bird logs between New Zealand and the Ross Sea

The sea-birds between New Zealand and the Ross Sea were identified. There were two latitudinal zones, with the northern limit of the pack-ice serving as an arbitrary boundary. There is an overlap in distribution between birds considered arctic and sub-arctic.

F

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F

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F

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Vitamin B<sub>12</sub> requirement of a marine blue-green alga

A sp. of *Synechocystis* isolated from a marine mud.

F

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Clay mineral composition of sediments in some desert lakes in Nevada, California, and Oregon

M

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Shark attacks

Worldwide records through 1960 show when and where predaceous sharks are likely to attack man.

MF

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*Science*, 134 (3472) : 98-9

Lead-210 in natural waters

Distribution of lead-210 which enters oceans subsequent to its production in the atmosphere by radon-222 decay, shows an increase with depth in sea water. By use of a simplified two-layer model of the ocean, a residence time of lead in the upper mixed layer of less than two years is derived. It is suggested that the marine biosphere is responsible for the conveyance of lead from surface to deeper waters.

M

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Electron microscope observations of the receptors in the sensory vesicle of the ascidian tadpole

Observations of *Ciona*, *Phallusia* and *Ascidia*.

MF

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Ci 581530 and 60-7884. Experiments with *Lebistes* show relation of mortality to growth which is extrapolated to the growth curves of *Gasterosteus*, cod, hake and plaice to predict survival.

M

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61-11000

*Nature, Lond.*, 191 (4790) : 829-30

Copepod *Ommatokoita elongata* (Grant) in the eyes of the Greenland shark —a possible cause of mutual dependence

Infestation rates for this lernaeopodid observed July 1959 and 1960 from Norwegian sealing vessel in Greenland waters ; speculation that its possible bioluminescence lures *Salmo alpinus* as prey of the shark.

M

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Occurrence of *Eutrichocheles modestus* (Herbst) in the near-shore waters of Porto Novo, South India

Samples, museum specimens and literature of this rare decapod crustacean.

MF

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**Mauchline, J.** (1960)*Proc. roy. Soc. Edinb.*, 67B (2) : 141-79The biology of the euphausiid crustacean, *Meganyctiphanes norvegica* (M. Sars)

Analysis of winter and summer vertical migrations given and differences in behaviour pointed out. Four potential methods of feeding were found. Relationship of carapace length to total length found to depend on state of maturity. Distribution within Clyde Sea described. Annual periodicity of luminescence is described and correlated with the period of swarming.

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*En* 60-9856. Leucocyte and erythrocytes counts, and haemoglobin concentration in *Cyprinus carpio* in aquaria.

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The pattern of feeding activity of the white bass is shown to correspond with the morning and evening concentrations of *Daphnia* in the surface waters. Some effects of the feeding behavior upon the efficiency of food-intake are discussed.

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Incidence of the cod parasite *Lernaeocera branchialis* L. in the New England area, and its possible use as an indicator of cod populations

A total of 4,519 cod, *Gadus morhua* L., from the coastal and offshore regions of New England were examined during Jun. to Dec. 1957 for the parasitic copepod, *L. branchialis* L. Infestation decreased from north to south and inshore to offshore.

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- 20 specimens of *BATHYCREADIUM flexicollis* gen. et sp. nov., off the coast of Iceland, described, figured and named. Issued also as: *Mar. Repr. Mar. Lab. Aberdeen*, (155).
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 The effects of selected antibiotics on pure cultures of algae
- A determination was made of the effectiveness of various concentrations of actindione, nystatin, amphotericin-A, anisomycin, and sulfocidin in inhibiting representative spp. of Myophyceae, Chlorophyceae, Bacillariophyceae, Xanthophyceae, and Euglenophyceae. Similar investigations were made using polymyxin-B sulfate and bacitracin, antibiotics inhibitory to certain groups of bacteria.
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Un mollusque hydrobiidé nouveau de Guinée: *SOAPITIA dageti* n.g., n. sp. (A new hydrobiid mollusc from Guinea: *SOAPITIA dageti* n.g., n. sp.)

Taxonomic description of sp.

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Un nouvel ostracode du lac Tanganyika, *TANGANYKACYPRIS mathesi* (A new ostracod of lake Tanganyika, *TANGANYKACYPRIS mathesi*)

Taxonomic description of new genus and sp. found in stomach of *Lamprologus cunningtoni* and *Xenotilapia sima*.

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- Records of catches in Guinea of *Neothunnus albacora*, *Euthynnus alleteratus*,  
*Katsuwonus pelamis*, *Cybium tritor* and *Acanthocybium solandri* with sizes  
 and hydrographic data.
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 Note sur les *Nannocharax* (Poissons characiformes) de l'ouest africain  
 (Note on the *Nannocharax*—Characiform fishes—of west Africa)
- Key to the identification of *N. ansorgii*, *N. occidentalis*, *N. lineomaculatus*,  
*N. fasciatus*; description of morphology, coloration, geographic distribution,  
 ecology and anatomy of the sp.
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61-11770
- Dekeyser, P. L.** (1961)  
*Bull. Inst. franç. Afr. noire*, 23A (1) : 217-30  
 Liste provisoire des urocordés de la côte occidentale d'Afrique (Provisional  
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- Systematic list with notes on general distribution of spp.

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**Cadenat, J.** (1961)

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*Bull. Inst. franç. Afr. noire*, 23A (1) : 231-45

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Review of symbiotic phenomena between fishes and actinias encompassing sea observations and aquarium experiments.

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**Kühl, H. & H. Mann** (1960)

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*Vie et Milieu*, 11 (4) : 532-45

Vergleich des Stickstoffabbaus in See- und Süßwasseraquarien (Comparison of decomposition of nitrogen compounds in lake and freshwater aquaria). Fr

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**Lahaye, J.** (1960)

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*Vie et Milieu*, 11 (4) : 546-93

Contribution à l'étude des crénilabres méditerranéens: genre *Symphodus* (famille des Labridés) (Contribution to the study of Mediterranean crenilabrids: genre *Symphodus*, family of labrids)

Biometric study and key to the classification of various spp. of genus. Proportions, colorations, descriptions and common names of spp. are listed.

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*Vie et Milieu*, 11 (4) : 594-600

Les réactions motrices de l'éponge *Tethya lyncurium* (Lmk.) à quelques stimulations expérimentales (The movement reactions of the sponge *Tethya lyncurium* (Lmk.) to experimental stimulus)

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 L'apparition de la maturité sexuelle mâle chez *Echinaster sepositus* et ses variations sur le littoral méditerranéen (Sexual maturity in males of *Echinaster sepositus* and its variations in the Mediterranean littoral)
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 Growth study of a population of the sp. in the Mediterranean.

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 Sur la présence de *Lepismatophila campodeae* Tuzet, Manier et Ormières chez le *Campodea suensoni* Tuxen de Slovaquie (Occurrence of *Lepismatophila campodeae* Tuzet, Manier and Ormières in *Campodea suensoni* Tuxen of Slovakia)

Record of occurrence and identification.

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 Étude biométrique du système nerveux des céphalopodes (Biometric study of the nervous system of cephalopods)

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 Description and relationships of the longbill spearfish, *Tetrapturus belone*, based on western North Atlantic specimens

Sp. is compared with other Atlantic billfishes and with *T. angustirostris* of the Indo-Pacific. *T. angustirostris* is recorded for the first time from off the Chilean coast. Genus *Tetrapturus* is redefined, its synonymy given and the constituent sp. of Istiophoridae realigned according to a proposed phylogeny. A key is given to spp. of Istiophoridae exclusive of *Istiophorus*.

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- Description based on a single specimen, trawled in deep water—125 fathoms—in Mona Passage. Incl. list of associated deep water fishes and a brief discussion of its relationship with 3 other spp. of butterfly fishes.
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 The Chaetognatha of the northeastern coast of Honduras, Central America
- 2270 specimens found in 9 stations between 100 fathom line and coast. *Sagitta hispida*, *S. tenuis*, *S. enflata*, *S. serratodentata*, *Krohnitta pacifica*, *K. subtilis* and *Pterosagitta draco* were identified. The most common spp. among those collected is *S. hispida*.
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 An analysis of the relation of the vertical distribution of three copepods to environmental conditions
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 Some acanthocephalan parasites of Florida fishes
- Examination of 479 fish—25 spp.—gave 5 spp. of Acanthocephala. Host and geographic distribution of each parasite is considered.
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 Copepods of the genus *Oithona* from the Gulf of Mexico
- 5 spp. are reported. Distribution is indicated and key presented for identification.

**Lynn, W. R. & W. T. Yang** (1960)

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*Bull. Mar. Sci. Gulf Caribb.*, 10 (4) : 491-509

The ecological effects of sewage in Biscayne Bay—Oxygen demand and organic carbon determinations

Evaluation of manometric techniques in measuring biochemical oxygen demand in bay-bottom sediments indicates limitations of method. Wet-oxidation method for determination of organic carbon is proposed and compared. Proposed method offers quantitative relative measure of the carbonaceous content of the benthal deposit; is a simple and rapid test having utility comparable to that obtained utilizing the Warburg; and eliminates complex experimental procedures and equipment associated with Warburg B.O.D. test.

**Anon.** (1961)

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*Discovery*, 22 (9) : 372

Warning of radioactivity

The council of OEEC has established a European system for the supervision of environmental radioactivity and for emergency alerts where an abnormal increase is detected. This may be extended to water-borne contamination later.

**Gregory, S.** (1961)

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*Discovery*, 22 (9) : 384-9

Exploiting Britain's water resources

**Silva, E. De Sousa** (1960)

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*Trab. Cent. Biol. pisc.*, (28-30) : 7-56

O microplâncton de superfície nos meses de setembro e outubro na estação de Inhaca (Moçambique) (Surface microplankton during September and October in the Station of Inhaca, Mozambique). En

A list of spp. with notes on occurrence and abundance.

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*Trab. Cent. Biol. pisc.*, (28-30) : 57-101

Nova contribuição para o conhecimento do género *Merluccius* no Atlântico oriental ao sul do Equador (New contribution to the knowledge of the genus *Merluccius* of the western Atlantic south of the Equator)

Comparative study of meristic and morphometric characters and distribution of *M. merluccius*, *M. polli*, *M. senegalensis*, *M. capensis capensis*, *M. capensis paradoxus*.



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 In 61-11804 : 100-16  
 At Neptune's table  
 An interview with L. A. Zenkevich concerning oceanic exploration, marine fisheries, prospects of protein supply from the sea; biology of deep sea animals; marine geophysical research; *Chlorella* culture in Czechoslovakia; genetics and improvement of marine resources; use of seaweed, future of whaling.

M

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**Anon. (1961)***New Scient.*, 11 (247) : 322-3

A promising haul from the Puerto Rico Trench

Using a new dredge, rocks incl. some pieces of the lower part of the Earth's crust, have been collected.

F

61-11807

**Anon. (1961)***New Scient.*, 11 (247) : 323

A remedy for Britain's foaming rivers

The nuisance of foam from household detergents in domestic plumbing, sewage works and rivers.

MF

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**Hughes, G. M. (1961)***New Scient.*, 11 (247) : 346-8

How a fish extracts oxygen from water

In its respiratory process the fish uses the "counter-current" technique, together with a remarkable two-pump—buccal and opercular—mechanism providing a continuous flow of water through the gills. There are variations in this basic plan in fishes occupying different habitats.

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Teneur en oxygène des eaux de la Méditerranée occidentale (supplément à l'étude hydrologique de juin-juillet 1957) (Oxygen content of the waters of the western Mediterranean—supplement to the hydrological study of June-July 1957)

Distribution of oxygen in various areas and at different depths of the western Mediterranean. Correlation of oxygen distribution with salinities and temperatures.

MF

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Croissance et maturation des ovocytes chez la forme totalement adaptée aux eaux douces de l'aloise marocaine (*Alosa alosa* Linné)—Evolution cytologique. Stades sexuels et cycle biologique (Growth and maturation of ovocytes in the form of Moroccan shad, *Alosa alosa* Linné, totally adapted to freshwater—Cytological evolution, sexual stages and biological cycle)

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Les merlus du Sénégal—Mise en évidence d'une nouvelle espèce (The hakes of Senegal—Indication of a new species)

Comparative study of morphology and biology of the various spp. of *Merluccius* incl. *M. cadenati* n. sp. Notes on economic value of hakes of Senegal.

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 BA 36A (11) 33006. Abstr. only.
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- MF
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Extensive financial provisions. Art. 11-12 modifies customs tariffs in respect of fishing nets.

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*Can. Gazette (II)*, (9) : 637

Statutory orders and regulations/61-160. Order in council P.C. 1961-577 amending the seal protection regulations, pursuant to the fisheries act.—20 April 1961

No person shall kill or take any seal, (a) in the front area between the 5th day of May and the 10th day of March following, (b) in the Gulf area between the 5th day of May and the 5th day of March following.

M  
61-12902

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*Fr* 61-12901

M  
61-12903

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (9) : 650-1

SOR/61-170. Order in council P.C. 1961-608 amending the lobster fishery regulations made under the fisheries act.—27 April 1961

New descriptions of lobster fishing districts No. 6B and 7B.

M  
61-12904

**Canada. Laws, Statutes, etc. (1961)**  
*Can. Gazette (II)*, (9) : 675-6

DORS/61-170. Arrêté C.P. 1961-608 modifiant le règlement de pêche du homard en vertu de la loi sur les pêcheries.—27 avril 1961 (SOR/61-170. Order in council P.C. 1961-608 amending the lobster fishery regulations made under the fisheries act.—27 April 1961)

*Fr* 61-12903.

MF  
61-12905

**Canada. Laws, Statutes, etc. (1961)**  
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SOR/61-171. Order in council P.C. 1961-609 amending the British Columbia fishery regulations pursuant to the fisheries act.—17 April 1961

Miscellaneous amendments concerning bag limits, methods of fishing, closed seasons, etc.

MF  
61-12906

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*Can. Gazette (II)*, (9) : 677-80

DORS/61-171. Arrêté C.P. 1961-609, modifiant le règlement de pêche de la Colombie-Britannique en vertu de la loi sur les pêcheries.—27 avril 1961 (SOR/61-171. Order in council P.C. 1961-609 amending the British Columbia fishery regulations pursuant to the fisheries act.—17 April 1961)

*Fr* 61-12905.

MF

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61-12907

*Can. Gazette (II)*, (10) : 688-98

SOR/61-187. Order in council P.C. 1961-654 amending the Manitoba fishery regulations made under the fisheries act.—4 May 1961

Numerous amendments relative to fishing licences, fishing methods, bag limits, closed seasons and closed areas, etc.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-12908

*Can. Gazette (II)*, (10) : 712-22

DORS/61-187. Arrêté C.P. 1961-654 modifiant le règlement de pêche du Manitoba selon la loi sur les pêcheries.—4 mai 1961. (SOR/61-187. Order in council P.C. 1961-654 amending the Manitoba fishery regulations made under the fisheries act.—4 May 1961)

*Fr* 61-12907.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-12909

*Can. Gazette (II)*, (10) : 708-9

SOR/61-196 made under the navigable waters protection act proclaiming Shoal Arm, Newfoundland, exempt from section 19 of the act.—3 May 1961

Shoal Arm exempted from the operation of those sections of the navigable waters act which prohibit the deposit of rubbish or other material in navigable waters.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-12910

*Can. Gazette (II)*, (10) : 732-3

DORS/61-196 en vertu de la loi sur la protection des eaux navigables, déclarant par proclamation Shoal Arm, Terre-Neuve, soustrait à l'application de l'article 19 de la loi.—3 mai 1961 (SOR/61-196 made under the navigable waters protection act proclaiming Shoal Arm, Newfoundland, exempt from section 19 of the act.—3 May 1961)

*Fr* 61-12909.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-12911

*Can. Gazette (II)*, (10) : 715

SOR/61-199. Order in council P.C. 1961-683, amending the Prince Edward Island fishery regulations made under the fisheries act.—11 May 1961

The amendments relate to fishing for smelts and to fishing for trout.

MF

**Canada. Laws, Statutes, etc. (1961)**

61-12912

*Can. Gazette (II)*, (10) : 739

DORS/61-199. Arrêté C.P. 1961-683 modifiant le règlement de pêche de l'île du Prince-Edouard selon la loi sur les pêcheries.—11 mai 1961 (SOR/61-199. Order in council P.C. 1961-683, amending the Prince Edward Island fishery regulations made under the fisheries act.—11 May 1961)

*Fr* 61-12911.



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MF  
61-12913

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L.D.-O. 51/60. Anuradhapura preservation board act, No. 32 of 1961: an act to provide for the establishment of a board for the preservation and development of Anuradhapura and such other areas as may be brought under the control of the board, and to make provision for matters incidental to or connected therewith.—2 June 1961

The functions of the board shall be, *inter alia*, to promote and control fisheries.

### **Chile. Laws, Statutes, etc. (1961)**

MF  
61-12914

*Diario ofic., Santiago*, (24,941) : 937

Decreto número 340 estableciendo la veda por tres años para el molusco denominado ostra (*Ostrea chilensis*).—25 de abril de 1961 (Decree No. 340, laying down a three-year closed season on Chilean oysters, *Ostrea chilensis*.—25 April 1961)

Applicable in Ancud Bay and the Gulf of Quetalmahue.

### **Colombia. Laws, Statutes, etc. (1960)**

F  
61-12915

*Diario ofic., Bogotá*, (30454) : 362

Resolución número 1259 de 29 de diciembre de 1960 que establece la veda de pesca de trucha en la represa del Sisga (Resolution No. 1259, prohibiting trout fishing in the Sisga dam area.—29 December 1960)

For re-stocking purposes.

### **Colombia. Laws, Statutes, etc. (1960)**

M  
61-12916

*Diario ofic., Bogotá*, (30472) : 545-6

Ley no. 9 de 13 de marzo de 1961 por la cual se aprueba la convención sobre la plataforma continental, suscrita en Ginebra el 29 de abril de 1958, durante la Conferencia de las Naciones Unidas sobre la Plataforma Continental (Act No. 9, approving the convention on the continental shelf, signed at Geneva 29 April 1958, during the UN Conference on the Continental Shelf.—13 March 1961)

The conference referred to is the 1st UN Conference on the Law of the Sea.

### **Costa Rica. Laws, Statutes, etc. (1960)**

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61-12917

*Gaceta, San José*, (89) : 1313-5

Decreto No. 2726 estableciendo la ley constitutiva del servicio nacional de acueductos y alcantarillado.—13 de abril de 1961. (Legislative decree No. 2726, creating the national aqueducts and drainage service.—13 April 1961)

Wide powers in respect of water supply and pollution control.

M

**Cuba. Laws, Statutes, etc. (1960)**

61-12918

*Gac. ofic. Cuba*, (216) : 25780

Resolución por la que se fija de modo temporal un tamaño legal mínimo de diez centímetros al cangrejo moro.—3 de noviembre de 1960 (Resolution temporarily fixing at 10 centimeters the minimum size for cangrejo moro.—3 November 1960)

A variety of crab.

M

**Cuba. Laws, Statutes, etc. (1960)**

61-12919

*Gac. ofic. Cuba*, (216) : 25780

Resolución por la que se fija de modo provisional un peso mínimo legal de seis onzas (172 gramos) para el pez conocido como cubereta.—3 de noviembre de 1960 (Resolution fixing provisionally a minimum weight of six ounces for the fish known as cubereta, *Lutianus cyanopterus* Cuvier).—3 November 1960

MF

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61-12920

*Gac. ofic. Cuba*, 221 : 26368-9

Resolución por la que se suspende el próximo período de veda de los peces conocidos como lisas.—5 de noviembre de 1960 (Resolution suspending the next closed season on the fish known as lisas.—5 November 1960)

Various spp. of mullet.

M

**Denmark. Laws, Statutes, etc. (1961)**

61-12921

*Lovtidende A*, 3 : 59

Bekendtgørelse om olieforurening af havet.—10. februar 1961 (Order No. 26 relative to the pollution of the sea by oil.—10 February 1961)

Refers to notification to the IMCO in London by the Canadian Government to the effect that the zone off the coast of Canada within which oil may not be discharged is extended from 50 to 100 sea miles.

MF

**Denmark. Laws, Statutes, etc. (1961)**

61-12922

*Lovtidende A*, 7 : 178

Nr. 98. Lov om ind- og udførsel af fisk.—19. april 1961 (Act No. 98 relative to the act on the import and export of fish.—19 April 1961)

Empowers the Minister of Fisheries to issue regulations governing the import and export of fish and fisheries products in accordance with existing international agreements, and to prescribe penalties for contraventions of such regulations.

# REFERENCES

**Denmark. Laws, Statutes, etc. (1961)** M  
61-12923  
*Lovtidende A*, 8 : 192

Nr. 111. Lov om regulering af fiskeriet i det nordøstlige Atlanterhav.—  
26. april 1961 (Act No. 111 regulating fisheries in the north east Atlantic.—  
26 April 1961)

Provides for the issuance of future regulations relative to fisheries in the above area as defined in the London convention of 24 Jan. 1959, and in accordance with para. 1 of art. 16 of that convention relative to net mesh dimensions and minimum sizes of fish.

**Denmark. Laws, Statutes, etc. (1961)** MF  
61-12924  
*Lovtidende A*, 8 : 193

Nr. 112. Bekendtgørelse om anvendelse af standardiserede fiskekasser.—  
27 april 1961 (Order No. 112 relative to the use of standardized fish boxes.—  
27 April 1961)

**France. Laws, Statutes, etc. (1961)** M  
61-12925  
*J. off. Répub. franç.*, (140) : 5387

Décret N° 61-606 du 10 juin 1961 rendant applicables aux navires immatriculés dans les territoires d'outre-mer de la République certains décrets sur la sauvegarde de la vie humaine en mer et l'habitabilité à bord des navires de commerce, de pêche et de plaisance d'une jauge brute égale ou supérieure à 500 tonneaux (Decree No. 61-606, rendering applicable to vessels registered in the overseas territories of the Republic certain decrees relating to the safeguard of human lives at sea and living conditions aboard commercial, fishing and pleasure craft of 500 tons or over.—10 June 1961)

**Greece. Laws, Statutes, etc. (1960)** F  
61-12926  
*Ephem. Kybern.*, 1 (117) : 1073-4

(Decree law No. 524, relating to gri-gri fishing on the Lake of Prespa.—  
23 July 1960). *He*

**Ireland. Laws, Statutes, etc. (1961)** MF  
61-12927  
*Iris Oifigiúil*, (31) : 461

S.I. No. 76 of 1961. Fishing nets (regulation of mesh) (amendment) order, 1961.—14 April 1961

Authorizes use of certain trawl nets. Amends the fishing nets (regulation of mesh) order, 1954 [S.I. No. 44 of 1954].

**Ireland. Laws, Statutes, etc. (1961)** MF  
61-12928  
S.I. (77) of 1961, 16 p.

Imposition of duties (No. 104) (Miscellaneous customs duties) order, 1961.—  
18 April 1961

Covers fish of all kinds, incl. roes and fish paste, imported in sealed bottles, jars, kegs, pots, tins or cans.

M

61-12929

**Italy. Laws, Statutes, etc. (1961)***Gazz. uff. Republ. Ital.*, (96) : 1510-6

Legge 23 febbraio 1961, n. 238. Accettazione ed esecuzione della convenzione internazionale per la prevenzione dell'inquinamento delle acque marine da idrocarburi, firmata a Londra il 12 maggio 1954 (Act No. 238 relative to the acceptance and execution of the international convention for the prevention of pollution of the sea by oil, signed at London on 12 May 1954.—23 February 1961)

M

61-12930

**Italy. Laws, Statutes, etc. (1961)***Gazz. uff. Republ. Ital.*, (109) : 1734-7

Legge 31 marzo 1961, n. 301. Modifiche ed integrazioni alla legge 17 luglio 1954, n. 522, concernente provvedimenti a favore dell'industria delle costruzioni navali e dell'armamento (Act No. 301, amending and amplifying the act No. 522 of 17 July 1954 relative to provisions on behalf of the ship-building and shipping industries.—31 March 1961)

Also relates to fishing craft.

F

61-12931

**Morocco. Laws, Statutes, etc. (1961)***Bull. off. Emp. chérif.*, (2540) : 924-5, 944-7

Arrêté du Ministre de l'agriculture n° 339-61 du 15 mars 1961 portant réglementation annuelle de la pêche dans les eaux continentales et fixant les périodes spéciales d'interdiction et les réserves de pêche pendant la saison 1961-1962 (Order No. 339-61 of the Minister of Agriculture, prescribing fishing regulations in continental waters, and fixing special closed seasons and fishing reserves for the 1961-1962 fishing year.—15 March 1961)

Contains restrictive measures with respect to certain spp. of fish and Crustacea.

M

61-12932

**Morocco. Laws, Statutes, etc. (1961)***Bull. off. Emp. chérif.*, (2540) : 933, 954

Arrêté du Ministre du commerce, de l'industrie, des mines, de l'artisanat et de la marine marchande n° 302-61 du 9 juin 1961 réglementant l'exercice de la pêche dans la baie d'Al Hoceima (Order No. 302-61 of the Minister of Trade, Industry, Mines, Handicrafts and Merchant Marine, prescribing fishing regulations for the Al Hoceima Bay.—9 June 1961)

Prohibition of fishing from 1 Jun. to 31 Aug. each year.

F

61-12933

**New Zealand. Laws, Statutes, etc. (1960)***Stat. Rules N.Z.*, 1960/145 : 3 p.

The freshwater fisheries regulations (South Canterbury, Waimate, and Waitaki) modification notice 1960.—22 September 1960

Modifies the provisions of the general regulations by reducing the bag limits, by imposing restrictions on lures and methods of fishing and by restricting the operation of the open season.

# REFERENCES

**New Zealand. Laws, Statutes, etc. (1960)** F  
61-12934  
*Stat. Rules N.Z.*, 1960/146 : 3 p.

The freshwater fisheries regulations (Ashburton) modification notice 1960.—  
22 September 1960

Modifies the provisions of the general regulations by reducing the limit bag, increasing the size limit, imposing restrictions on lures and methods of fishing and excluding from the operation of the open season the waters specified.

**New Zealand. Laws, Statutes, etc. (1960)** F  
61-12935  
*Stat. Rules N.Z.*, 1960/147 : 2 p.

The freshwater fisheries regulations (Hawke's Bay) modification notice 1960.—22 September 1960

Modifies the provision of the general regulations by reducing the limit bag, increasing the size limit and imposing restrictions on lures and methods of fishing.

**New Zealand. Laws, Statutes, etc. (1960)** F  
61-12936  
*Stat. Rules N.Z.*, 1960/148 : 2 p.

The freshwater fisheries regulations (Hawera, Stratford, and Taranaki) modification notice 1960.—22 September 1960

Modifies the provisions of the general regulations by reducing the limit bag, increasing the size limit, imposing restrictions on lures and methods of fishing in waters specified and prohibiting fishing in certain waters.

**New Zealand. Laws, Statutes, etc. (1960)** F  
61-12937  
*Stat. Rules N.Z.*, 1960/149 : 4 p.

The freshwater fisheries regulations (Auckland) modification notice 1960.—  
22 September 1960

Modifies the provisions of the general regulations in the Auckland acclimatization district by reducing the limit bag, increasing the size limit and imposing restrictions on lures and methods of fishing in the waters specified.

**New Zealand. Laws, Statutes, etc. (1960)** MF  
61-12938  
*Stat. Rules N.Z.*, 1960/153 : 3 p.

The Rotorua trout fishing regulations 1960, amendment No. 1.—28 September 1960

Makes such changes as are necessary in the principal regulations in view of the amalgamation of the Rotorua and the Gisborne-east coast trout fishing districts.

**Nicaragua. Laws, Statutes, etc. (1960)**  
*Gaceta Managua*, (32) : 281-8

MF  
 61-12939

Decreto N°. 557 estableciendo la ley especial sobre explotación de la pesca.—  
 20 de diciembre de 1960 (Decree No. 557 proclaiming the special act on  
 fishing activities.—20 December 1960)

General text governing fishing for private consumption, sport or scientific  
 purposes. Commercial fishing governed primarily by the general act on the  
 exploitation of national resources.

**Norway. Laws, Statutes, etc. (1961)**  
*Norsk Lovtid.*, (7) : 83-8

MF  
 61-12940

Resolusjon om fiskeregler for Tanaelvas fiskeområde (Resolution relative  
 to fishing regulations in the Tana River fishing area.—10 February 1961)

Specifies provisions governing the limits of the area, fishing gear for salmon  
 and sea trout fishing and protection of fisheries in the area, etc.

**Norway. Laws, Statutes, etc. (1961)**  
*Norsk Lovtid.*, (12) : 242-3

M  
 61-12941

Resolusjon om endr. av §§ 20 og 21 i res. av 22. desember 1955 om  
 saltvannsfiskeriene (merkebestemmelser for utestående redskaper (Resolution  
 amending articles 20 and 21 of the resolution of 22 December 1955 relative to  
 salt water fisheries.—23 March 1961)

Regulations governing the marking of fishing gear cast on ocean waters.

**Norway. Laws, Statutes, etc. (1961)**  
*Norsk Lovtid.*, (12) : 244-5

M  
 61-12942

Lov om Norges fiskerigrense (Act relative to Norwegian fishing limits.—  
 24 March 1961)

Specifies that the fisheries limit off Norway and Jan Mayen shall be 12 sea  
 miles outside and parallel with the basic coast lines permanently established  
 by the Crown. In exceptional cases, the Crown may grant exemptions from  
 the provisions of art. 1, para. 1, of the act of 2 Jun. 1906 prohibiting aliens  
 from fishing within Norwegian fishing limits.

**Norway. Laws, Statutes, etc. (1961)**  
*Norsk Lovtid.*, (12) : 245-6

M  
 61-12943

Resolusjon om ikraftsetting av lov om Norges fiskerigrense (Resolution  
 on the coming into force of the act relative to Norwegian fishing limits.—  
 24 March 1961)

The act shall come into force on 1 Apr. 1961.

# REFERENCES

**Norway. Laws, Statutes, etc. (1961)** M  
61-12944  
*Norsk Lovtid.*, (12) : 246

Resolusjon om at bestem. om helligdagsfredningen i § 6 i lov om saltvanns-fiskeriene ikke skal gjelde utenfor 4 nautiske mil utenfor grunnlinjene (Resolution prescribing that provisions relative to fisheries protection on holidays contained in article 6 of the saltwater fisheries act of 17 July 1955 shall not apply beyond 4 sea miles outside the basic coast lines.—24 March 1961)

**Norway. Laws, Statutes, etc. (1961)** M  
61-12945  
*Norsk Lovtid.*, (12) : 246

Resolusjon om adgang til trålfiske i området mellom 4 og 6 nautiske mil utenfor grunnlinjene og om nedsettelse av distriktsvise rådgivende utvalg (Resolution permitting trawl fishing in the area between 4 and 6 sea miles outside the basic coast-lines and establishing district advisory committees.—24 March 1961)

**Pakistan. Laws, Statutes, etc. (1961)** MF  
61-12946  
*Gaz. Pakist.*, extr., p. 825-7

Ministry of Finance (Budget and Expenditure Division) notification: customs—S.R.O. 468 (K)/61.—18 April 1961

Supersedes notification No. S.R.O. 10(R) of 30 Jun. 1960 and partially exempts the articles listed from customs-duties. Incl., *inter alia*, fish hooks. These exemptions have been granted to implement the General Agreement on Tariffs and Trade.

**Panama. Laws, Statutes, etc. (1959)** M  
61-12947  
*Gac. ofic. Panama*, (13.909) : 1-7

Decreto-ley N° 17 de 9 de julio de 1959, por el cual se reglamenta la pesca y se regula la exportación de productos pesqueros en la República de Panamá (Decree-law No. 17, regulating fishing and the exportation of fisheries products in the Republic of Panama.—9 July 1959)

Basic text: 1. Definitions and general provisions. 2. Fisheries administration. 3. Prohibitions. 4. Fishing crafts. 5. Fishing licences. 6. Special provisions.

**Peru. Laws, Statutes, etc. (1961)** F  
61-12948  
*Peruano*, (5960) : 1

Resolución suprema N° 79 por la que se prohíbe la pesca del camarón de río desde el 15 de marzo.—28 de febrero de 1961 (Supreme resolution No. 79, prohibiting the taking of craw fish as from 15 March.—28 February 1961)

1961, until 15 Jun. 1961.

**Peru. Laws, Statutes, etc. (1961)**M  
61-12949*Peruano*, (5971) : 2

Resolución ministerial N° 201, por la que se establece que serán clausuradas las fábricas de harina de pescado que no cumplan disposiciones contra los malos olores.—14 de marzo de 1961 (Ministerial resolution No. 201, requiring the closing of fish meal plants which fail to comply with provisions for the control of disagreeable odors.—15 March 1961)

**Peru. Laws, Statutes, etc. (1961)**M  
61-12950*Peruano*, (5974) : 1

Resolución ministerial N° 224 por la que se integra una comisión técnica para resolver problema de malos olores de fábricas de harina de pescado.—17 de marzo de 1961 (Ministerial resolution No. 224, appointing a technical commission to solve the problem of disagreeable odors in fish meal plants—17 March 1961)

One member to be appointed by the National Fishery Society and one by the Callao Provincial Council.

**Portugal. Laws, Statutes, etc. (1960)**M  
61-12951*Diário do Gov., Lisboa*, 1 (102) : 1031

Decreto n.º 42 959: autoriza a importação, sob regime de drawback, de melvas frescas que se destinem ao fabrico de conservas.—2 de Maio de 1960 (Decree No. 54 929 authorizing the import under the drawback system of fresh frigate mackerel for canning production.—2 May 1960)

**Portugal. Laws, Statutes, etc. (1960)**M  
61-12952*Diário do Gov., Lisboa*, 1 (129) : 1316

Portaria n.º 17 757: abre créditos na provincia ultramarina de Guiné destinados a reforçar verbas inscritas na tabela de despesa extraordinária do orçamento geral em vigor naquela provincia.—2 de Junho de 1960 (Order No. 17 757 of the Ministry for Overseas Territories opening in the overseas province of Guinea credits for financing certain items incorporated in the table of special expenditure under the general budget in the province aforesaid.—2 June 1960)

Incl. appropriation for fisheries.

**Portugal. Laws, Statutes, etc. (1960)**M  
61-12953*Diário do Gov., Lisboa*, 1 (134) : 1335-40

Decreto-lei n.º 43 015: aprova e manda pôr em execução o regulamento do serviço de cartas, publicações e instrumentos náuticos de que devem ser munidas as embarcações mercantes, de pesca e de recreio.—8 de Junho de 1960 (Legislative decree No. 43 015 approving and ordering the enforcement of the regulation of the nautical charts, publications and instruments service with which merchant, fisheries and pleasure craft must be equipped.—8 June 1960)

Repeals all provisions contrary hereto contained in earlier orders specified in detail in the text.



## REFERENCES

M  
61-12954

**Portugal. Laws, Statutes, etc. (1960)**  
*Diário do Gov., Lisboa, 1 (157) : 1681-2*

Decreto n.º 43 056: autoriza a Direcção-Geral da Fazenda Pública a emitir, pelo Fundo de Renovação e de Apetrechamento da Indústria de Pesca, a obrigação geral representativa da 3.ª série do empréstimo de renovação et de apetrechamento da indústria da pesca (II plano de fomento), na importância de 24 000 000S.—8 de Julho de 1960 (Decree No. 43 056 authorizing the General Directorate of Public Economy to issue through the Fund for the Re-establishment and Supply of the Fisheries Industry, the general bonds representing the third series of the loan for the re-establishment and supply of the fisheries industry (II development plan) to the amount of 24 million escudos.—8 July 1960)

M  
61-12955

**Portugal. Laws, Statutes, etc. (1960)**  
*Diário do Gov., Lisboa, 1 (176) : 1822*

Decreto-lei n.º 43 098: suspende, a partir da campanha de 1960-61, a cobrança para o fundo de compensação por déficits de pesca, integrado no fundo de abastecimento pelo decreto-lei n.º 36 501, da taxa destinada a ressarcir os armadores dos prejuízos sofridos com a pesca deficitária.—30 de Julho de 1960 (Legislative decree No. 43 098 suspending as from the 1960-61 season the collection for the fisheries deficits compensation fund incorporated within the supply fund by legislative decree No. 36 501, of the tax intended to compensate fishing vessel owners for losses sustained as a result of fisheries deficits.—30 July 1960)

M  
61-12956

**Portugal. Laws, Statutes, etc. (1960)**  
*Diário do Gov., Lisboa, 1 (191) : 1871-6*

Decreto n.º 43 123: cria o Instituto de Pesca de Angola e regulamenta a sua actividade.—18 de Agosto de 1960 (Decree No. 43 123 creating the Angola Fisheries Industries Institute and regulations governing its activities.—18 August 1960)

Prescribes functions, powers, organs, financing, etc.

M  
61-12957

**Portugal. Laws, Statutes, etc. (1960)**  
*Diário do Gov., Lisboa, 1 (263) : 2440*

Declaração: mantêm os preços e características de bacalhau salgado seco nacional e de procedência estrangeira, fixados, respectivamente, pelas portarias n.os 13 492, 14 199, 17 469 e 17 415.—3 de Novembro de 1960 (Notice of the Ministry of Economy maintaining the prices and characteristics of Portuguese and foreign dry salt cod established in orders Nos. 13 492, 14 199, 17 469 and 17 415 respectively.—3 November 1960)

MF  
61-12958

**Portugal. Laws, Statutes, etc. (1960)**  
*Diário do Gov., Lisboa, 1 (262) : 2431-4*

Portaria n.º 18 054: estabelece novas bases para o comércio do peixe no continente.—11 de Novembro de 1960 (Order No. 18 054 establishing new basic conditions governing trade in fish in continental Portugal.—11 November 1960)

Repeals orders No. 11 459 of 14 Aug. 1946, No. 11 981 of 8 Aug. 1947 and No. 13 303 of 23 Sep. 1950.

**Portugal. Laws, Statutes, etc. (1960)**MF  
61-12959*Diário do Gov., Lisboa*, 1 (285) : 2734-5

Portaria n.º 18 113: estabelece novos preceitos para o comércio de peixe no continente.—10 de Dezembro de 1960 (Order No. 18 113 establishing new basic conditions governing trade in fish in continental Portugal.—10 December 1960)

Ad 61-12958.

**Rhodesia-Nyasaland. Laws, Statutes etc. (1961)**F  
61-12960*Fed. Govt Gaz. Salisbury*, suppl., (27) : 903-41

Federal government notice No. 226 of 1961 concerning the national parks (designated areas) regulations, 1961, made under act 13/55

Extensive regulations incl., *inter alia*, fishing.**Republic of South Africa. Laws, Statutes, etc. (1961)**M  
61-12961*Govt Gaz. S. Afr.*, (7) : 2-7

Goewermentskennisgewing No. 27: wet op seevisserye, 1940 (wet No. 10 van 1940). Wysiging van regulasies.—9 Junie 1961 (Government notice No. 27 amending regulations made under the sea fisheries act, 1940 (act No. 10 of 1940).—9 June 1961)

Replaces part 11 of the regulations published in Govt Not. No. 1353 of 1 Jul. 1955, as amended, by new provisions in respect of: (a) production of frozen rock lobster tails; (b) inspection of salted snoek intended for export.

**Spain. Laws, Statutes, etc. (1961)**M  
61-12962*Bol. ofic. Estado, Madr.*, (66) : 4174

Orden sobre mando de barcos que ejercen la pesca de arrastre.—11 de marzo de 1961 (Order relating to the command of craft exercising trawl fishing.—11 March 1961)

Certified deep-sea fishing masters may command such craft of up to 500 tons.

**Spain. Laws, Statutes, etc. (1961)**M  
61-12963*Bol. ofic. Estado, Madr.*, (81) : 5192

Orden por la que se autoriza la compra de la sardina a flote en la región noroeste.—22 de marzo de 1961 (Order authorizing trade in shallow-water sardines in the northwest region.—22 March 1961)

**Spain. Laws, Statutes, etc. (1961)**MF  
61-12964*Bol. ofic. Estado, Madr.*, (88) : 5606

Decreto 600/1961, por el que se regula el transporte y comercio de la pesca producida en piscifactorías industriales y del salmón conservado en establecimiento frigoríficos.—23 de marzo de 1961 (Decree No. 600/1961, regulating transport of and trade in fish produced in fish processing plants, and salmon preserved in refrigerating establishments.—23 March 1961)

With a view to ensuring production of sound fish and to avoiding pollution of rivers by said plants and establishments.

## REFERENCES

M  
61-12965

**Spain. Laws, Statutes, etc. (1961)**  
*Bol. ofic. Estado, Madr.*, (85) : 5430-1

Orden por la que se establecen limitaciones en el ejercicio de la pesca en la región surmediterránea para el presente año.—29 de marzo de 1961 (Order establishing restrictions on fishing in the southern mediterranean region for the present year.—29 March 1961)

Restrictive measures prescribed on an experimental basis for use in future years.

MF  
61-12966

**Spain. Laws, Statutes, etc. (1961)**  
*Bol. ofic. Estado, Madr.*, (85) : 5431

Orden por la que queda vedada en la zona denominada "El Profundo" toda clase de artes, aparejos y utensilios de pesca, excepto la "liña". 29 de marzo de 1961 (Order prohibiting, in zone known as "El Profundo", fishing with any type of net, equipment or means except "liña".—29 March 1961)

With a view to safeguarding reproduction of certain spp.

M  
61-12967

**Sweden. Laws, Statutes, etc. (1961)**  
*Svensk FörfSaml.*, (13) : 19

Kungl. Maj:ts kungörelse Nr 13 angående ändrad lydelse av den vid kungörelsen den 2 maj 1958 (nr 191) med tillämpnings-föreskrifter till lagen den 6 april 1956 (nr 86) om åtgärder mot vattenförorening från fartyg fogade bilagan.—10 februari 1961 (Royal order No. 13 amending the annexe to order No. 191 of 2 May 1958 with provisions in application of the act No. 86 of 6 April 1956 relative to measures against the pollution of the sea by oil from ships.—10 February 1961)

The annexe in question refers to zones in which oil discharge is prohibited.

MF  
61-12968

**Sweden. Laws, Statutes, etc. (1961)**  
*Svensk FörfSaml.*, (48) : 121-4

Lag Nr 48 om ändring i vattenlagen (den 28 juni 1918, nr 523).—10 mars 1961 (Act No. 48 amending the water law (No. 523 of 28 June 1918 as since amended).—10 March 1961)

Amendments relating, *inter alia*, to provision of fishing facilities.

MF  
61-12969

**Sweden. Laws, Statutes, etc. (1961)**  
*Svensk FörfSaml.*, (43-44) : 103

Lag Nr 43 angående ändrad lydelse av 9§ lagen den 5 maj 1960 (nr 130) om fiskevårdsområden.—17 mars 1961 (Act No. 43 amending article 9 of act No. 130 of 5 May 1960 relative to fisheries protection areas.—17 March 1961)

Ad 61-09536. Concerns voting rights of participants.

**Sweden. Laws, Statutes, etc. (1961)**MF  
61-12970*Svensk FörfSaml.*, (43-44) : 104

Kungl. Maj:ts kungörelse angående ändrad lydelse av § 13 kungörelsen den 30 september 1960 (nr 547) med tillämpningsföreskrifter till lagen om fiskevårdssområden.—17 Mars 1961 (Royal order No. 44 amending article 13 of royal order No. 547 of 30 September 1960 specifying provisions relative to the application of the act on fisheries protection areas.—17 March 1961)

Ad 61-09545. Provides for separate keeping and filing of records and documents by provincial authorities for each protection area.

**U.K. Laws, Statutes, etc. (1960)**MF  
61-12971*Statut. Instrum. U.K.*, (2153) : 1 p., (S. 109)

The district of the River Cree (annual close time) order, 1960, made under the salmon fisheries (Scotland) act, 1868.—21 November 1960

Alters the annual close time for salmon fishing in the district of the River Cree.

**Venezuela. Laws, Statutes, etc. (1961)**MF  
61-12972*Gac. ofic. Venezuela*, (26.569) : 197.126-7

Resolución número 1.565 por la cual se fijan precios máximos de venta al detal para los artículos de primera necesidad que en ella se especifican.—3 de junio de 1961 (Resolution No. 1565, fixing maximum retail sales prices for the basic commodities mentioned therein.—3 June 1961)

Also covers fish.

**Marti, Iu. Iu. (Ed.) (1960)\***M  
61-12973

Moskva, 468 p.

Sovetskie rybokhoziaistvennyye issledovaniia v moriakh Evropeiskogo Severa (Soviet fisheries investigations in north European seas). En

**Landyshevskii, V. P. (1960)\***F  
61-12974

Moskva, Gos. uchebno-pedagog. Izd-vo, 141 p.

Shkola i rybovodstvo: iz opyta raboty uchitel'ia (School and fisheries; from the experience of a teacher's work)

**Beever, C. & K. Ruud (1960)\***MF  
61-12975*FAO Fish. Stud. (Es)*, (9) : 125 p.

Programas de ayuda económica para la compra o el mejoramiento de embarcaciones pesqueras (Financial assistance schemes for the acquisition or improvement of fishing craft)

*Es* 61-05646.

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 improvement of fishing craft)  
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 61-12984

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61-12985  
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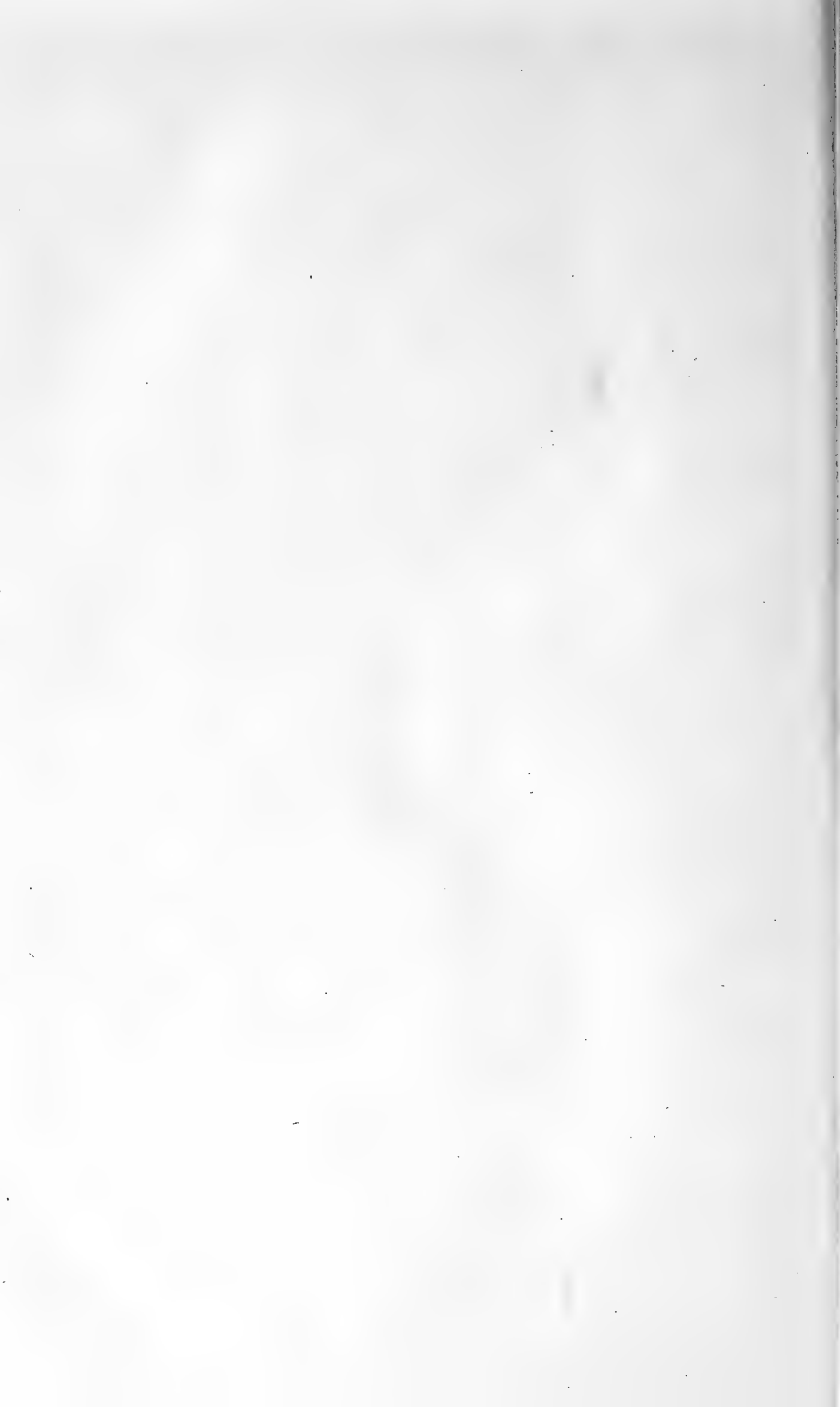
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# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

## VOLUME 6—MEETINGS : CONGRESSES, CONFERENCES, SYMPOSIA

61-366me to 61-466me

- |   |                |
|---|----------------|
| <b>ICNAF</b> (1962)   | M<br>61-366me  |
| Environmental symposium. Meeting of the co-ordinating committee                                     |                |
| <b>WMO</b> (1962)   | MG<br>61-367me |
| 14th Session of the executive committee   |                |
| <b>WMO</b> (1963)   | MF<br>61-368me |
| 4th World meteorological congress   |                |
| <b>IWC</b> (1962)   | M<br>61-369me  |
| 2nd Joint meeting of IWC special committee of three scientists and scientific committee             |                |
| <b>UN</b> (1962)  | MF<br>61-370me |
| Conference on the application of science and technology for the benefit of the less developed areas |                |
| <b>ECOSOC (UN)/WHO, Regional Office for Europe</b> (1962)   | F<br>61-371me  |
| Travelling seminar on water pollution on the Rhine  |                |
| <b>Manchester College of Science and Technology</b> (1962)  | F<br>61-372me  |
| Lectures on problems of radioactivity at water and sewage works                                     |                |
| <b>Western Reserve University</b> (1962)  | G<br>61-373me  |
| Conference on information retrieval   |                |
| <b>SCAR(ICSU)</b> (1962)  | M<br>61-374me  |
| 6th Meeting   |                |
| <b>Technical Association for Waste Water</b> (1962)   | F<br>61-375me  |
| Annual meeting  |                |

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- |   |                |
|---|----------------|
| <b>Ligue Suisse pour la Protection des Eaux</b> (1962)<br>Water protection symposium  | F<br>61-376me  |
| <b>Malacological Society of London</b> (1962)<br>Malacological congress   | MF<br>61-377me |
| <b>IAEA</b> (1962)<br>General conference  | MF<br>61-378me |
| <b>FID</b> (1962)<br>Meeting  | G<br>61-379me  |
| <b>IAEA</b> (1962)<br>Meeting of panel on insect population control by the sterile male technique   | FG<br>61-380me |
| <b>British Sub-Aqua Club</b> (1962)<br>World congress of underwater activities  | M<br>61-381me  |
| <b>Società Chimica Italiana, Gruppo di Studio delle Acque</b> (1962)<br>1st Meeting on civil and industrial utilization of marine and brackish waters | MF<br>61-382me |
| <b>CIESMM</b> (1962)<br>18th Congress—Plenary assembly  | M<br>61-383me  |
| <b>Netherlands Atomforum</b> (1962)<br>Symposium on nuclear powered ships   | MG<br>61-384me |
| <b>WMO/Regional Association V</b> (1962)<br>3rd Session   | MG<br>61-385me |
| <b>ISA</b> (1962)<br>2nd Marine science instrumentation symposium on transducers for oceanic research   | MG<br>61-386me |
| <b>UNESCO</b> (1962)<br>12th Session of the general conference  | MG<br>61-387me |
| <b>Northeast Atlantic Fisheries Commission</b> (1962)<br>Meeting  | M<br>61-388me  |
| <b>NATO, Sub-Committee on Oceanography</b> (1962)<br>2nd Meeting of working group on Mediterranean productivity project                               | M<br>61-389me  |



## MEETINGS

<b>IAEA (1962)</b> 2nd Meeting of panel on methods of surveying and monitoring marine radioactivity	M 61-390me
<b>IAEA (1962)</b> Meeting of group of governmental experts on waste management in connection with long-term planning	MF 61-391me
<b>ILO (1962)</b> Meeting of the committee on conditions of work in the fishing industry	MF 61-392me
<b>IAEA (1962)</b> Meeting of panel on irradiation control of harmful organisms transmitted by food and food products with particular reference to <i>Salmonellae</i>	MF 61-393me
<b>IPSFC (1962)</b> Annual meeting	MF 61-394me
<b>IAEA (1962)</b> Meeting of panel on isotopes in hydrology	FG 61-395me
<b>ABZ (1963)</b> 28th Annual meeting	MG 61-396me
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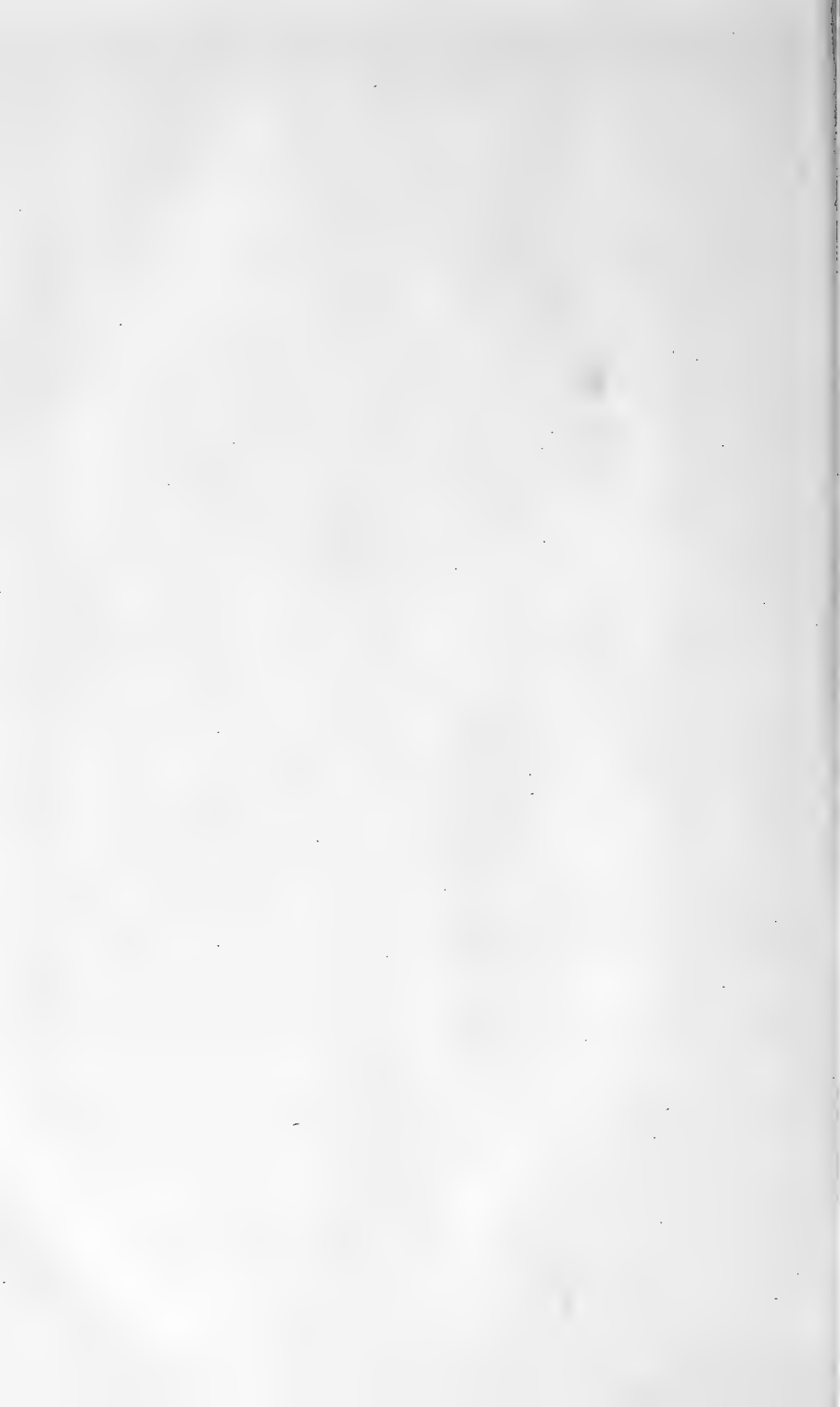
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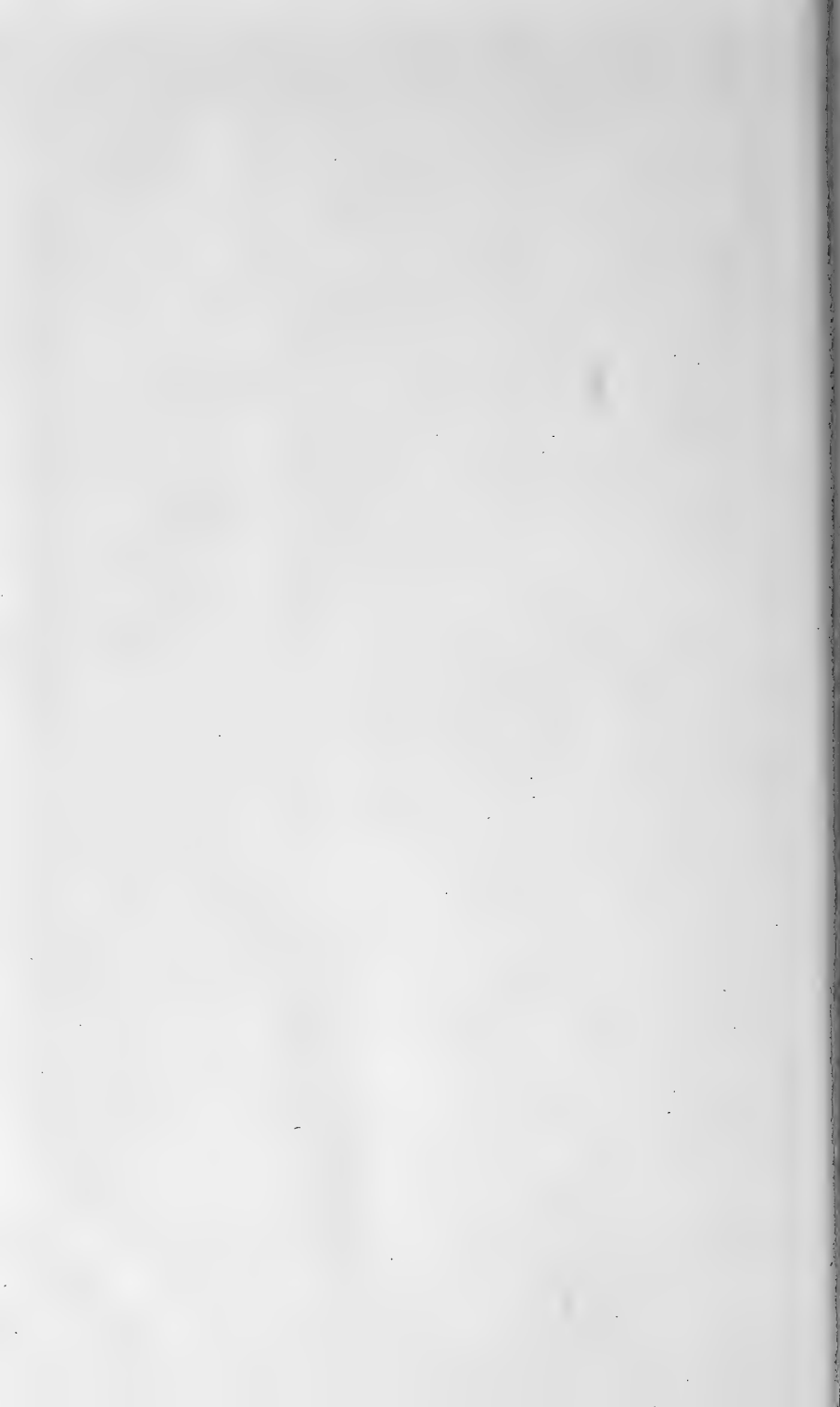
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